

**Datasheet for WM3772F-04-0500****WM3772F Purified RNA****Overview**

|                     |                                        |
|---------------------|----------------------------------------|
| <b>Description:</b> | WM3772F Purified RNA - WM3772F-04-0500 |
| <b>Item No.:</b>    | WM3772F-04-0500                        |
| <b>Size:</b>        | 10 µg                                  |
| <b>Origin:</b>      | Human                                  |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Total RNA was prepared from cell line WM3772. WM3772F is a primary human metastatic uveal melanoma cell line displaying clumpy pigmented morphology. These cells require 5% FBS to adhere to culture flask. This cell line was established from a metastases arising from uveal melanoma of a patient. Uveal melanoma is a rare type of cancer of an eye and can arise in the anterior (iris) or the posterior (ciliary body or choroid) uveal tract. Most uveal tract melanomas originate in the choroid. The ciliary body is less commonly a site of origin, and the iris is the least common. This cell line expresses wild type BRAF, N-RAS, c-KIT, and CDK4 genes. WM3772F cells match with WM3618F. These cells produce xenograft tumors when injected into immunocompromised mice. |
| <b>Synonyms:</b>          | Melanoma, patient derived tumor, tumor models, skin cancer, xenograft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species of Origin:</b> | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Target Details**

|                            |                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | Total RNA was extracted and purified from cells using RNA isolation & purification kit according to manufacturers instructions. The RNA was diluted to 200 ng/µL in RNase free water. Concentration was determined at A260 using nanodrop ND-1000. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">Cell Line EULA</a></li></ul>                                                                                                                                                                     |

**Application Details**

|                          |                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Note:</b> | Purified RNA is suitable for a number of molecular biology applications including but not limited to next generation sequencing and expression library construction, PCR, real-time PCR, microarray analysis, and transfection experiments. |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

## Cell Line Data

|                        |                              |
|------------------------|------------------------------|
| <b>Cell Line:</b>      | Human Melanoma               |
| <b>Product Type:</b>   | RNA                          |
| <b>Cell Viability:</b> | No                           |
| <b>Stage:</b>          | PRIMARY, Metastasis OF UVEAL |
| <b>BRAF:</b>           | WT                           |
| <b>CDK4:</b>           | WT                           |
| <b>C-Kit:</b>          | WT                           |
| <b>N-RAS:</b>          | WT                           |
| <b>PTEN:</b>           | ND                           |
| <b>Paired:</b>         | Yes                          |

## Formulation

|                        |                                             |
|------------------------|---------------------------------------------|
| <b>Physical State:</b> | Liquid                                      |
| <b>Concentration:</b>  | 200 ng / $\mu$ l by UV absorbance at 260 nm |
| <b>Buffer:</b>         | RNase free water                            |
| <b>Preservative:</b>   | None                                        |
| <b>Stabilizer:</b>     | None                                        |

## Shipping & Handling

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                |
| <b>Storage Condition:</b>  | Store vial at -20° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                |

## Images

**Vial**

Total RNA from melanoma tumor cells for assessment of mRNA and miRNA

**Disclaimer**

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

Cell Line Limited Use License Required. THIS PRODUCT IS SUBJECT TO AN END-USER LICENSE AGREEMENT (EULA). BY ACCEPTING THIS PRODUCT, RECIPIENT AGREES TO BE BOUND BY THE TERMS OF USE SET FORTH BELOW and SET FORTH IN THE EULA. THIS PRODUCT IS FOR IN VITRO RESEARCH USE ONLY. THERAPEUTIC, DIAGNOSTIC, OR VETERINARY USE IS PROHIBITED. This product may not be resold or transferred by the recipient and may be used only by the recipient, in the recipient's facility and only for research use and other uses specifically permitted by the EULA. No other commercial use is allowed. "Commercial Use" means any and all uses of this product by recipient or others for monetary or other consideration, including providing services, supplying information or data to unaffiliated third parties, and resale or transfer of this product for any use. Recipient has no right to modify, derivatize, genetically engineer or otherwise create variations of this product or associated cells or cell lines. ROCKLAND AND WISTAR MAKE NO REPRESENTATIONS AND EXTEND NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE USE OF THE PRODUCTS WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK, OR OTHER PROPRIETARY RIGHTS. The terms set forth herein and in the EULA shall be governed by the laws of the Commonwealth of Pennsylvania, USA. To obtain a COMMERCIAL USE license for this product, please contact Rockland Immunochemicals, Inc. Please contact a technical service representative for more information. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.