

Datasheet for WM3670-04-0500**WM3670 Purified RNA****Overview**

Description:	WM3670 Purified RNA - WM3670-04-0500
Item No.:	WM3670-04-0500
Size:	10 µg
Origin:	Human

Product Details

Background:	Total RNA was prepared from cell line WM3670. WM3670 is a metastatic human melanoma cell line with epithelial morphology. This cell line features the G469E mutation at codon 469 in the BRAF gene. The G469E mutation results in an amino acid substitution at position 469 in BRAF, from a glycine (G) to a glutamic acid (E). This mutation occurs within the highly conserved GXGXXG motif of the kinase domain. Most mutant BRAF proteins have increased kinase activity and are transforming in vitro. This cell line contains a G12D mutation at position 12 in the N-RAS gene. The G12D mutation results in an amino acid substitution at position 12 in N-RAS, from a glycine (G) to an aspartic acid (D).
Synonyms:	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
Species of Origin:	Human

Target Details

Purity/Specificity:	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.
Relevant Links:	Cell Line EULA

Application Details

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

Cell Line Data

Cell Line:	Human Melanoma
Product Type:	RNA
Cell Viability:	No
Stage:	Metastasis
BRAF:	G469E
CDK4:	WT
C-Kit:	WT
N-RAS:	G12D
PTEN:	WT
Paired:	No

Formulation

Physical State:	Liquid
Concentration:	200 ng / μ l by UV absorbance at 260 nm
Buffer:	RNase free water
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Expiration:	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.

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