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Datasheet for WM1361A-04-0500

WM1361A Purified RNA

Overview

Description:	WM1361A Purified RNA - WM1361A-04-0500
Item No.:	WM1361A-04-0500
Size:	10 µg
Origin:	Human

Product Details

Background:	Total RNA was prepared from cell line WM1361A. WM1361A is a tumorigenic (VGP) primary melanoma cell line with competence for metastasis. These cells display mesenchymal morphology in culture. This cell line contains a Q61R mutation at position 61 in the N-RAS gene. The Q61R is the most common NRAS mutation found in melanoma that is thought to occur due to UV and radiation exposure. This mutation leads to production of a constitutively active N-RAS protein that directs cells to grow and divide constantly. This cell line also expresses PTEN loss of function including hemizygous PTEN deletion and is wild type for BRAF, c-KIT, and CDK4. WM1361A cells produce xenograft tumors when injected into immunocompromised mice.
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.

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:	VGP
BRAF:	WT
CDK4:	WT
C-Kit:	WT
N-RAS:	Q61R Homozygous
PTEN:	Hemizygous Deletion
Paired:	No

Formulation

Physical State:	Liquid
Concentration:	200 ng / µl 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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