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Datasheet for WM3792-02-1000

WM3792 Purified Genomic DNA

Overview

Description:	WM3792 Purified Genomic DNA - WM3792-02-1000
Item No.:	WM3792-02-1000
Size:	10 µg
Origin:	Human

Product Details

Background:	DNA was prepared from cell line WM3792. WM3792 is a metastatic human melanoma cell line that displays a dendritic morphology. This cell line contains V600K (Val600Lys) mutation at codon 600 in the BRAF gene. This mutation occurs within the activation segment of the kinase domain and causes constitutively active kinase activity and activation of MEK and ERK signaling pathway. This cell line also expresses a novel mutation—the deletion of codon 601, and contains a PTEN loss of function including homozygous deletion. WM3792 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:	Genomic DNA was purified from cells using genomic DNA preparaton kit according to manufacturers instruction. DNA was diluted to 200 ng/µL in TE buffer (0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6). Concentration was determined at A260 using nanodrop ND-1000.
Relevant Links:	• Cell Line EULA

Application Details

Application Note:	Purified Genomic DNA is suitable for a number of molecular biology applications including but not limited to preparation of genomic libraries, PCR templates, DNA sequencing, DNA fingerprinting, and mutation analysis.
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:	DNA
Cell Viability:	No
Stage:	Metastasis
BRAF:	V600K 601 deletion
CDK4:	WT
C-Kit:	WT
N-RAS:	WT
PTEN:	Homozygous Deletion
Paired:	No

Formulation

Physical State:	Liquid
Concentration:	200 ng / µl by UV absorbance at 260 nm
Buffer:	0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6
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
Human melanoma tumor cell genomic DNA isolated with genomic DNA miniprep kit

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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