

Datasheet for WM1341D-02-1000**WM1341D Purified Genomic DNA****Overview**

Description:	WM1341D Purified Genomic DNA - WM1341D-02-1000
Item No.:	WM1341D-02-1000
Size:	10 µg
Origin:	Human

Product Details

Background:	DNA was prepared from cell line WM1341D. WM1341D is a tumorigenic (VGP) primary melanoma cell line with competence for metastasis. These cells display epithelial square and triangular morphology in culture. This cell line features the specific V600R (Val600Arg) mutation at codon 600 in the BRAF gene. The V600R mutation results in an amino acid substitution at position 600 in BRAF, from a valine (V) to an arginine (R). This mutation occurs within the activation segment of the kinase domain. Mutations at V600 result in increased kinase activity and are transforming in vitro. WM1341D 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.
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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:	DNA
Cell Viability:	No
Stage:	VGP
BRAF:	V600R
CDK4:	WT
C-Kit:	WT
N-RAS:	WT
PTEN:	WT
Paired:	No

Formulation

Physical State:	Liquid
Concentration:	200 ng / μ l 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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