

Datasheet for WM3912-02-1000**WM3912 Purified Genomic DNA****Overview**

Description:	WM3912 Purified Genomic DNA - WM3912-02-1000
Item No.:	WM3912-02-1000
Size:	10 µg
Origin:	Human

Product Details

Background:	DNA was prepared from cell line WM3912. WM3912 is a metastatic human melanoma cell line established from a neck metastatic site of a patient. This cell line thaws poorly and contains lots of spontaneous senescent cells. This cell line features the N581Y mutation at codon 581 in the BRAF gene. The N581Y mutation results in an amino acid substitution at position 581 in the BRAF, from an asparagine (N) to a tyrosine (Y). This cell line also expresses L213F mutation in CDK4 gene which results in an amino acid substitution at codon 213 in the CDK4 from leucine (L) to phenylalanine (F). WM3912 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:	Metastasis
BRAF:	N581Y
CDK4:	L213F
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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