

WM3854 Purified Genomic DNA - WM3854-02-5000

Code: WM3854-02-5000

Size: 25 µg

Product Description: WM3854 Purified Genomic DNA - WM3854-02-5000

Concentration: 200 ng / µl by UV absorbance at 260 nm

PhysicalState: Liquid

Label	Unconjugated
Buffer	0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6
Stabilizer	None
Preservative	None
Storage Condition	Store vial at -20° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Synonyms	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
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.
Background	DNA was prepared from cell line WM3854. WM3854 is a human metastatic melanoma cell line that displays a mesenchymal morphology. This cell line was established from a heavily pigmented metastatic site (right upper flank of back) in a 64-year-old male with superficial and deep inguinal nodes forming a 3.0 cm mass. This cell line contains a Q61L mutation at position 61 in the N-RAS gene which causes increased signaling via the extracellular signal-regulated MAPK/ERK kinase pathways to enhance proliferation. This cell line is known to be wild type for BRAF, c-KIT and CDK4. WM3854 cells produce xenograft tumors when injected into immunocompromised mice.
Purity And 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.
Expiration	Expiration date is six (6) months from date of opening.
General Reference	Greshock J, Nathanson K, Martin AM, Zhang L, Coukos G, Weber BL, Zaks TZ. (2007) Cancer cell lines as genetic models of their parent histology: analyses based on array comparative genomic hybridization. <i>Cancer Res.</i> 2007 Apr 15; 67(8):3594-600. Barretina J, Caponigro G, Stransky N. (2012) The Cancer Cell Line Encyclopedia enables predictive modelling of anticancer drug sensitivity. <i>Nature</i> 2012 Mar 28; 483 (7391): 603-607. doi: 10.1038/nature11003. Lin WM, Baker AC, Beroukhir R. (2008) Modeling genomic diversity and tumor dependency in malignant melanoma. <i>Cancer Res.</i> 2008 Feb 1; 68(3): 664-673. Doi: 10.1158/0008-5472.
Stage	Metastasis
BRAF	WT
PTEN	ND
NRAS	Q61L
CKIT	WT
CDK4	WT
Patient ID	1081
Paired	No
Cell Line Product Type	DNA
Cell Viability	No
Related Products	
	FBS-01-0100 FETAL BOVINE SERUM, Certified, Heat Inactivated Origin: United States triple 0.1 micron filtered - FBS-01-0100
	MB-006 10X TE pH 7.5 (100 mM Tris HCl 10 mM EDTA) DEPC TREATED - MB-006

MB-009-1000	UltraPure Sterile Water - MB-009-1000
MB-017	10X SDS-PAGE Running Gel Buffer (0.25 M Tris HCl, 1.92 M Glycine, 1.0% SDS pH 8.3) - MB-017

Related Links

[Cell Line EULA](#)

Images

- 1 Human melanoma tumor cell genomic DNA isolated with genomic DNA miniprep kit



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