

WM3854 Purified Genomic DNA - WM3854-02-0200

**Code:** WM3854-02-0200

**Size:** 5 µg

**Product Description:** WM3854 Purified Genomic DNA - WM3854-02-0200

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

**PhysicalState:** Liquid

<b>Label</b>	Unconjugated
<b>Buffer</b>	0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6
<b>Stabilizer</b>	None
<b>Preservative</b>	None
<b>Storage Condition</b>	Store vial at -20° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
<b>Synonyms</b>	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
<b>Application Note</b>	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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	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.
<b>Expiration</b>	Expiration date is six (6) months from date of opening.
<b>General Reference</b>	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, Beroukhim 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.
<b>Stage</b>	Metastasis
<b>BRAF</b>	WT
<b>PTEN</b>	ND
<b>NRAS</b>	Q61L
<b>CKIT</b>	WT
<b>CDK4</b>	WT
<b>Patient ID</b>	1081
<b>Paired</b>	No
<b>Cell Line Product Type</b>	DNA
<b>Cell Viability</b>	No
<b>Related Products</b>	
	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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