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# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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Datasheet for WM902B-02-1000

# WM902B Purified Genomic DNA

## Overview

| | |
|---|---|
| **Description:** | WM902B Purified Genomic DNA - WM902B-02-1000 |
| **Item No.:** | WM902B-02-1000 |
| **Size:** | 10 µg |
| **Origin:** | Human |

## Product Details

| | |
|---|---|
| **Background:** | DNA was prepared from cell line WM902B. WM902B is a tumorigenic (VGP) primary melanoma cell line with competence for metastasis. This cell line features the specific V600E (Val600Glu) mutation at codon 600 in the BRAF gene. This mutation causes constitutively active kinase activity and activation of MEK and ERK signaling pathway. This cell line also expresses PTEN loss of function including hemizygous deletion and R24L mutation at position 24 in the CDK4 gene. The R24L mutation results in an amino acid substitution at codon 24 in CDK4, from an arginine (R) to Leucine (L). This mutation renders the protein resistant to the inhibitory effects of INK4A function. WM902B 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

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|---|---|
| **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

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|---|---|
| **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:** | V600E |
| **CDK4:** | R24L |
| **C-Kit:** | WT |
| **N-RAS:** | WT |
| **PTEN:** | Hemizygous 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

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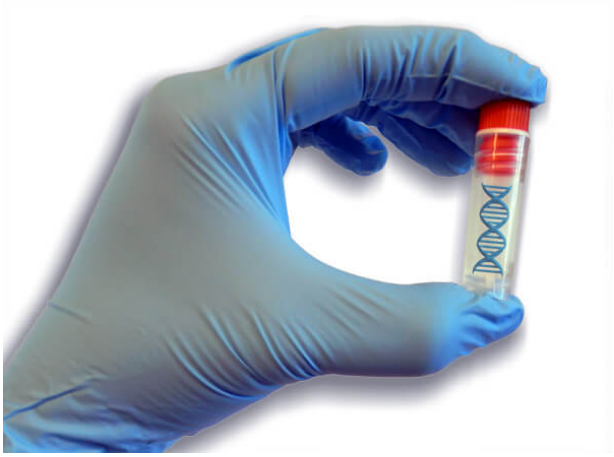
|---|---|
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles. |
| **Expiration:** | Expiration date is six (6) months from date of receipt. |

## 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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