

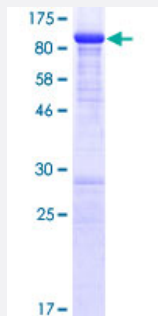
Full-Length

MDM4 (Human) Recombinant Protein (P01)

Catalog # H00004194-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MDM4 full-length ORF (NP_002384.2, 1 a.a. - 490 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTSFSTSAQCSTSDSACRISPGQINQVRPKLPLLKILHAAGAQQEMFTVKEVMHYLGQYIMVKQLY
DQQEQHMYCGDLLGELLGRQSFSVKDPSPLYDMLRKNLVTLATATDAAQTLALAQDHSMID
PSQDQLKQSAEESSTSRKRTTEDDIPTLPTSEHKCIHSREDEDLIENLAQDETSRLDLGFEEWDV
AGLPWWFLGNLRSNYTPRSNGSTDLQTNQDVGTAVSDTTDDLWFLNESVSEQLGVGIKVEAAD
TEQTSEEVGKVSDKKVIEVGKNDDLEDKSLSDDTDEVTSEDEWQCTECKKFNSPSKRYCFR
CWALRKDWYSDCSKLTHSLSTSDITAPEKENEGNDVPDCRRTISAPVVRPKDAYIKKENSCLFDP
CNSVEFLDLAHSSESQETISSMGEQLDNLSEQRDTENMEDCQNLKPCSLCEKRPDGNIIHGR
TGHLVTCFHCARRLKKAGASCPICKKEIQLVIKVFIA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.3

Interspecies Antigen Sequence

Mouse (84); Rat (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MDM4

Entrez GeneID [4194](#)

GeneBank Accession# [NM_002393.2](#)

Protein Accession# [NP_002384.2](#)

Gene Name MDM4

Gene Alias DKFZp781B1423, HDMX, MDMX, MGC132766, MRP1

Gene Description Mdm4 p53 binding protein homolog (mouse)

Omim ID [602704](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The human MDM4 gene, which plays a role in apoptosis, encodes a 490-amino acid protein containing a RING finger domain and a putative nuclear localization signal. The MDM4 putative nuclear localization signal, which all Mdm proteins contain, is located in the C-terminal region of the protein. The mRNA is expressed at a high level in thymus and at lower levels in all other tissues tested. MDM4 protein produced by in vitro translation interacts with p53 via a binding domain located in the N-terminal region of the MDM4 protein. MDM4 shows significant structural similarity to p53-binding protein MDM2. Two transcript variants, one protein-coding and the other likely not to be protein-coding, have been found for this gene. [provided by RefSeq]

Other Designations

MDM4-related protein 1|Mdm4, transformed 3T3 cell double minute 4, p53 binding protein|double minute 4, human homolog of; p53-binding protein|mouse double minute 4 homolog|p53-binding protein

Pathway

- [p53 signaling pathway](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Narcolepsy](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Tobacco Use Disorder](#)