

Recombinant Mouse Mdm2 Protein, His-tagged

Cat. No. MDM2-9667M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mdm2(1-489aa) fused with His tag at N-terminal was expressed in Yeast.
Species	Mouse
Source	Yeast
ProteinLength	1-489aa
Description	E3 ubiquitin-protein ligase that mediates ubiquitination of p53/TP53, leading to its degradation by the proteasome. Inhibits p53/TP53- and p73/TP73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Also acts as a ubiquitin ligase E3 toward itself and ARRB1. Permits the nuclear export of p53/TP53. Promotes proteasome-dependent ubiquitin-independent degradation of retinoblastoma RB1 protein. Inhibits DAXX-mediated apoptosis by inducing its ubiquitination and degradation. Component of the TRIM28/KAP1-MDM2-p53/TP53 complex involved in stabilizing p53/TP53. Also component of the TRIM28/KAP1-ERBB4-MDM2 complex which links growth factor and DNA damage response pathways. Mediates ubiquitination and subsequent proteasome degradation of DYRK2 in nucleus. Ubiquitinates IGF1R and SNAI1 and promotes th to proteasomal degradation .
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	56.6kDa

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AA Sequence

MCNTNMSVSTEGAASTSQIPASEQETLVRPKPLLLKLLKSVGAQNDTYTMKEIFYIG
 QYIMTKRLYDEKQQHIVYCSNDLLGDVFGVPSFSVKEHRKIYAMIYRNLVAVSQQDS
 GTSLSERRQPEGGSDLKDPLQAPPEEKSSSDLISSLSTSSRRRSISETEENTDEL
 PGERHRKRRRSLSFDPGLCELREMCSSGSSSSSSSSSESTETPSHQDLDDGVS
 EHSGDCLDQDSVSDQFSVEFEVESLDSYSLSDEGHLSDEDEDEVYRVTVYQTG
 ESDTDSFEGDPEISLADYWKCTSCNEMNPPLPSHCKRCWTLRENWLPDDKGGKDKV
 EISEKAKLENSAQAEGLDVPDGKLTENDAKEPCAEEDESEEKAEQTPLSQESDDY
 SQPSTSSSIVYSSQESVKELKEETQDKDESVESSFLNAIEPCVICQGRPKNGCIVHG
 KTGHLMSCFTCAKKLKRNKPCPVCQRQPIQMIVLTYFN

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name [Mdm2 transformed mouse 3T3 cell double minute 2 \[Mus musculus \]](#)

Official Symbol [Mdm2](#)

Synonyms MDM2; transformed mouse 3T3 cell double minute 2; E3 ubiquitin-protein ligase Mdm2; oncoprotein Mdm2; double minute 2 protein; p53-binding protein Mdm2; Mdm-2; AA415488; 1700007J15Rik;

Gene ID [17246](#)

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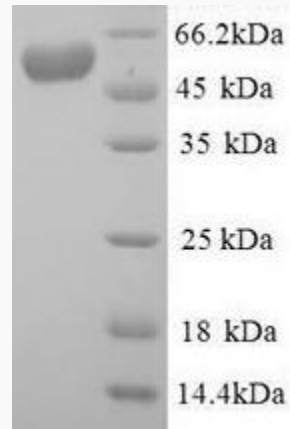
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mRNA Refseq [NM_010786](#)

Protein Refseq [NP_034916](#)

UniProt ID [P23804](#)



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