Recombinant Mouse MDM2 Protein (1-489 aa), His-tagged

Cat. No. MDM2-651M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MDM2 Protein (1-489 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-489 aa
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

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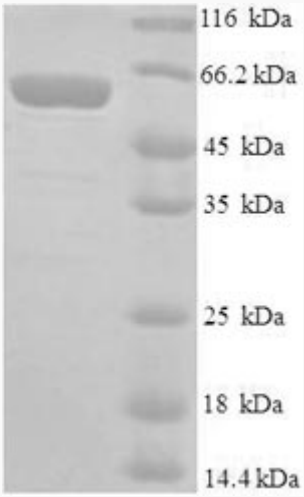
Molecular Mass	58.6 kDa
AA Sequence	MCNTNMSVSTEGAASTSQIPASEQETLVRPKPLLLKLLKSVGAQNDTYTMKEIIFYIG QYIMTKRLYDEKQQHIVYCSNDLLGDVFGVPSFSVKEHRKIYAMIYRNLVAVSQQDS GTSLSESRRQPEGGSDLKDPLQAPPEEKPSSSDLISRLSTSSRRRSISETEENTDEL PGERHRKRRRSLSFDPSLGLCELREMCSGGSSSSSSSSSESTETPSHQDLDDGVS EHSGDCLDQDSVSDQFSVEFEVESLDSEDYSLSDEGHELSDEDDEVYRVTVYQTG ESDTDSFEGDPEISLADYWKCTSCNEMNPPLPSHCKRCWTLRENWLPDDKGKDKV EISEKAKLENSAQAEEGLDVPDGKKLTENDAKEPCAEEDSEEKAEQTPLSQESDDY SQPSTSSSIVYSSQESVKELKEETQDKDESVESSFSLNAIEPCVICQGRPKNGCIVHG KTGHLMSCFTCAKKLKKRNKPCPVCRQPIQMIVLTYFN
Purity	> 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.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	Mdm2 transformed mouse 3T3 cell double minute 2 [Mus musculus]
Official Symbol	MDM2
Synonyms	MDM2; Mdm-2; AA415488; 1700007J15Rik;

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Gene ID	17246
mRNA Refseq	NM_010786
Protein Refseq	NP_034916
UniProt ID	P23804



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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