



Recombinant Mouse E3 ubiquitin-protein ligase Mdm2 (Mdm2)

Product Code	CSB-EP013626MO
Relevance	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 .
Abbreviation	Recombinant Mouse Mdm2 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P23804
Alias	Double minute 2 proteinOncoprotein Mdm2p53-binding protein Mdm2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MCNTNMSVSTEGAASTSQIPASEQETLVRPKPLLLKLLKSVGAQNPTYTMKEII FYIGQYIMTKRLYDEKQQHIVYCSNDLLGDVFGVPSFSVKEHRKIYAMIYRNLV AVSQQDSGTSLSERREQPEGGSDLKDPLQAPPEEKPSDDLISRLSTSSRRR SISETEENTDELPGERHRKRRRSLSFDPGLCELREMCSSGSSSSSSSSSSSES TETPSHQDLDDGVSEHSGDCLDQDSVSDQFSVEFEVESLDSYSLSDGHE LSDDEDDEVYRVTVYQTGESDTSFEGDPEISLADYWKCTSCNEMNPPLPSHC KRCWTLRENWLPDDKGGKDKVEISEKAKLENSAQAEGLDVPDGGKLTENDAK EPCAEEDSEEKAEQTPLSQESDDYSQPSTSSSIVYSSQESVKELKEETQDKDE SVESFSLNAIEPCVICQGRPKNGCIVHGKTGHLMSCFTCAKCLKRNRKPCPV CRQPIQMIVLTYFN
Research Area	Others
Source	E.coli
Target Names	Mdm2
Expression Region	1-489aa



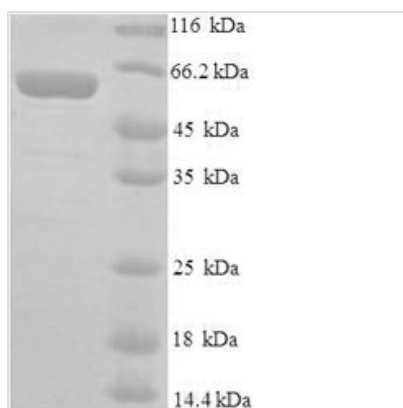
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 6xHis-tagged

Mol. Weight 58.6kDa

Protein Length Full Length

Image



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

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life 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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.