



Recombinant Dog E3 ubiquitin-protein ligase Mdm2 (MDM2)

Product Code	CSB-EP013626DO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P56950
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	MCNTNMSVST GGAVSTSQIP ASEQETLVRP KPLLLKLLKS VQAQKDTYTM KEVIFYLGQY IMTKRLYDEK QQHIVYCSND LLGDLFGVPS FSVKEHRKIY TMIYRNLVVV NQHEPSDSGT SVSENSCHRE GGSDQKDPVQ ELQEEKPSSS DLISRPSTSS RRRTISETEE HADDLPGERQ RKRHKSDSIS LSFDESLALC VIREICCERS SSSESTGTPS NPDLDAGVSE HSGDWLDQDS VSDQFSVEFE VESLDSEDYS LSEEGQELSD EDDEVYRVTY YQAGESDTDS FEEDPEISLA DYWKCTSCNE MNPPLPPHCN RCWALRENWL PEDKGKIKEK ATPENSTQVE EGFDVPDCKK AAASDSRESC AEEIDDKITQ ASHSQESEDY SQPSTSNSII YSSQEDVKEF EREETQDKEE IVESFPLNA IEPCVICQGR PKNGCIVHGK TGHLMACFTC AKKLLKRNKP CPVCRQPIQM IVLTYFP
Source	E.coli
Target Names	MDM2
Protein Names	Recommended name: E3 ubiquitin-protein ligase Mdm2 EC= 6.3.2.- Alternative name(s): Double minute 2 protein Short name= Cdm2 p53-binding protein Mdm2
Expression Region	1-487
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues.
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.