

Recombinant human MDM2, His-tagged

Cat. No. MDM2-350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MDM2(1-118) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-118 a.a.
Description	This gene encodes a nuclear-localized E3 ubiquitin ligase. The encoded protein can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. This gene is itself transcriptionally-regulated by p53. Overexpression or amplification of this locus is detected in a variety of different cancers. There is a pseudogene for this gene on chromosome 2. Alternative splicing results in a multitude of transcript variants, many of which may be expressed only in tumor cells.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1 mM PMST, 0.25mM DTT, 25% glycerol.
Molecular Mass	~17.5 kDa
AA Sequence	1-118
Purity	> 85%

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Applications	Western Blot
Storage	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
GENE INFORMATION	
Gene Name	MDM2 MDM2 oncogene, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	MDM2
Synonyms	MDM2; HDMX; hdm2; ACTFS; MDM2 oncogene, E3 ubiquitin protein ligase; E3 ubiquitin-protein ligase Mdm2; oncoprotein Mdm2; Mdm2, p53 E3 ubiquitin protein ligase homolog; double minute 2, human homolog of; p53-binding protein; Mdm2, transformed 3T3 cell double minute 2, p53 binding protein; EC 6.3.2.-
Gene ID	4193
mRNA Refseq	NM_002392
Protein Refseq	NP_002383
MIM	164785
UniProt ID	Q00987
Chromosome Location	12q14.3-q15
Pathway	AKT phosphorylates targets in the cytosol; Androgen receptor signaling pathway; Cell

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Cycle

Function

enzyme binding; p53 binding; peroxisome proliferator activated receptor binding

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