

Active Recombinant Human MDM2, His-tagged

Cat. No. MDM2-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MDM2 was expressed in the E. coli.
Species	Human
Source	E.coli
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	Liquid
Bio-activity	1 unit equals 1 nanogram of purified protein.
Applications	SDS-PAGE
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Concentration	20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Preservative None

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; Bladder cancer

Function

enzyme binding; identical protein binding; peroxisome proliferator activated receptor binding

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