

Recombinant Human MDM2, GST-tagged

Cat. No. MDM2-1065H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human MDM2 (1 a.a. - 491 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.

Species Human

Source Wheat Germ

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.

Molecular Mass 81.6 kDa

AA Sequence MCNTNMSVPTDGAVTTSQIPASEQETLVRPKPLLLKLLKSVGAQKDTYTMKEVLFYL
GQYIMTKRLYDEKQQHIV YCSNDLLGDLFGVPSFSVKEHRKIYTMIRNLVVVNQQE
SSDSGTSVSENRCHEGGSDQKDLVQELQEEKPSSS HLVSRPSTSSRRRAISETEE
NSDELSEGERQRKRHKSDSISLSFDESALCVIREICCRSSSSESTGTPSNPDLG AG
VSEHSGDWLDQDSVSDQFSVEFEVESLSEEDYSLSEEGQELSDEDEDEVYQVTYVQ
AGESDTDSFEEDPEISLA DYWKCTSCNEMNPPLPSHCNRCWALRENWLPEDKGGK
DKGEISEKAKLENSTQAEEGFDVPDCKKTIVNDSRESCV EENDDKITQASQSQESE

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DYSQPSTSSSIYSSQEDVKEFEREETQDKESVESSLPLNAIEPCVICQGRPKNCCI
VHGKTGHLMACFTCAKCLKKRNKPCPVCRQPIQMIVLTYFP

Applications ELISA; WB-Re; AP; Array

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Gene ID 4193

mRNA Refseq NM_001145337

Protein Refseq NP_001138809

MIM 164785

UniProt ID Q00987

Chromosome Location 12q14.3-q15

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Pathway	AKT phosphorylates targets in the cytosol; Aurora A signaling; Cell Cycle Checkpoints
Function	enzyme binding; identical protein binding; peroxisome proliferator activated receptor binding

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