Recombinant Full Length Human MDM2 Protein, GST-tagged

Cat. No. MDM2-6976HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length MDM2 (1 a.a. - 491 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	491 amino acids
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 YCSNDLLGDLFGVPSFSVKEHRKIYTMIYRNLVVVNQQE SSDSGTSVSENRCHLEGGSDQKDLVQELQEEKPSSS HLVSRPSTSSRRRAISETEE NSDELSGERQRKRHKSDSISLSFDESLALCVIREICCERSSSSESTGTPSNPDLD AG VSEHSGDWLDQDSVSDQFSVEFEVESLDSEDYSLSEEGQELSDEDDEVYQVTVYQ AGESDTDSFEEDPEISLA DYWKCTSCNEMNPPLPSHCNRCWALRENWLPEDKGK

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	DKGEISEKAKLENSTQAEEGFDVPDCKKTIVNDSRESCV EENDDKITQASQSQESE DYSQPSTSSSIIYSSQEDVKEFEREETQDKEESVESSLPLNAIEPCVICQGRPKNGCI VHGKTGHLMACFTCAKKLKKRNKPCPVCRQPIQMIVLTYFP
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. 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

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