

# Recombinant Full Length Human MDM2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full-length MDM2 (1 a.a. - 491 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	491 amino acids
<b>Description</b>	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.
<b>Molecular Mass</b>	81.6 kDa
<b>AA Sequence</b>	MCNTNMSVPTDGAVTTSQIPASEQETLVRPKPLLLKLLKSVGAQKDTYTMKEVLFYL GQYIMTKRLYDEKQQHIV YCSNDLLGDLFGVPSFSVKEHRKIYTMIRNLVNVNQQE SSDSGTSVSENCHLEGGSDQKDLVQELQEEKPSSS HLVSRPSTSSRRRAISETEE NSDELSEGERQRKRHSKSDSISLSFDESLALCVIREICCRSSSSESTGTPSNPDLG AG VSEHSGDWLDQDSVSDQFSVEFEVESLSEEDYSLSEEGQELSDDEDDEVYQVTVYQ AGESDTDSFEEDPEISLA DYWKCTSCNEMNPPLPSHCNRCWALRENWLPEDKKGK

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DKGEISEKAKLENSTQAEEGFDVPDCKKTIVNDSRESCV EENDDKITQASQSQESE  
 DYSQPSTSSSIYSSQEDVKEFEREETQDKEESVESSLPLNAIEPCVICQGRPKNCCI  
 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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