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Datasheet

MDM2 (Human) Recombinant Protein (P01)

Catalog Number: H00004193-P01

Regulation Status: For research use only (RUO)

Product Description: Human MDM2 full-length ORF (ENSP00000258149, 1 a.a. - 491 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MCNTNMSVPTDGAVTTSQIPASEQETLVRPKPLLLKLL
KSVGAQKDTYTMKEVLFYLGQYIMTKRLYDEKQQHIV
YCSNDLLGDLFGVPSFSVKEHRKIYTMIYRNLVVVNQQ
ESSDSGTSVSENRCHLEGGSDQKDLVQELQEEKPSS
SHLVSRPSTSSRRRAISETEENSDELSGERQRKRHKS
DSISLSFDESLALCVIREICCERSSSSESTGTPSNPDLD
AGVSEHSGDWLDQDSVSDQFSVEFEVESLDSEDYSL
SEEGQELSDEDDEVYQVTVYQAGESDTDSFEEDPEIS
LADYWKCTSCNEMNPPLPSHCNRCWALRENWLPED
KGKDKGEISEKAKLENSTQAEEGFDVPDCKKTIVNDSR
ESCVEENDDKITQASQSQESEDYSQPSTSSSIIYSSQE
DVKEFEREETQDKEESVESSLPLNAIEPCVICQGRPKN
GCIVHGKTGHLMACFTCAKKLKKRNKPCPVCRQPIQM
IVLTYFP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 81.6

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

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

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

Entrez GeneID: 4193

Gene Symbol: MDM2

Gene Alias: HDMX, MGC71221, hdm2

Gene Summary: This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues. [provided by RefSeq]