

MDM4 recombinant protein

MDM4 (1-137) recombinant protein

CATALOG # AAA72925	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MDM4; MDM4 (1-137) recombinant protein; DKFZp781B1423; HDMX; MDMX; MGC132766; MRP1; MDM4(1-137) Protein; MDM4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>75%
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Positions	1-137
Sequence Length	10090
Applicable Applications for MDM4 recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	His tag
Expression System	E.coli
Source Note	Recombinant human MDM4 (1-137) was expressed in E. coli cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Stable for 1 year at -70 degree C from date of shipment.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MDM4 recombinant protein	Recombinant human MDM4 (1-137) was expressed in E. coli cells using an N-terminal His tag. Scientific Background: MDM4 is a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus. MDM4 shows structural similarity to p53-binding protein MDM2 and both proteins bind the p53 tumor suppressor protein and inhibit its activity. However, unlike MDM2, MDM4 does not cause nuclear export or degradation of p53. Instead, MDM4 inhibits p53 activity by binding to the transcriptional activation domain of p53. MDM4 is overexpressed in a variety of human cancers (1). Expression level of MDM4 is significantly higher in chronic lymphocytic leukemia. MDM4 is a specific chemotherapeutic target for treating retinoblastoma (2).
Product Categories/Family for MDM4 recombinant protein	Cell Cycle Proteins ; Signaling Proteins - Cell Cycle Proteins
References	1. Parant, J.et.al: Rescue of embryonic lethality in Mdm4-null mice by loss of Trp53 suggests a nonoverlapping pathway with MDM2 to regulate p53. Nature Genet. 29: 92-95, 2001. 2. Laurie, N. A. et.al: Inactivation of the p53 pathway in retinoblastoma. Nature 444: 61-66, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	323510631
NCBI GeneID	4194
NCBI Accession #	NP_002384.2
NCBI GenBank Nucleotide #	NM_002393
UniProt Accession #	O15151 ; Q2M2Y2 ; Q32SL2 ; Q6GS18 ; Q8IV83
Molecular Weight	~17.3 kDa
NCBI Official Full Name	Homo sapiens Mdm4 p53 binding protein homolog (mouse) (MDM4), transcript variant 1, mRNA
NCBI Official Synonym Full Names	Mdm4 p53 binding protein homolog (mouse)
NCBI Official Symbol	MDM4
NCBI Official Synonym Symbols	HDMX; MDMX; MRP1
NCBI Protein Information	protein Mdm4; protein Mdmx; MDM4-related protein 1; mdm2-like p53-binding protein; double minute 4, human homolog of; p53-binding protein
UniProt Protein Name	Protein Mdm4
UniProt Gene Name	MDM4
UniProt Synonym Gene Names	MDMX
UniProt Entry Name	MDM4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mdm4-recombinant-protein-e-coli-wb-western-blot/72925>