Recombinant Human MDM4, His-tagged

Cat. No. MDM4-194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MDM4 (1-137) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-137 a.a.
Description	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. Expression level of MDM4 is significantly higher in chronic lymphocytic leukemia. MDM4 is a specific chemotherapeutic target for treating retinoblastoma.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~17.3 kDa
Purity	>75% by densitometry

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Applications	Western Blot
Storage	Store product at –70 centigrade. 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.
Concentration	0.2 μg/μl

GENE INFORMATION

Gene Name	MDM4 Mdm4 p53 binding protein homolog (mouse) [Homo sapiens]
Official Symbol	MDM4
Synonyms	MDM4; Mdm4 p53 binding protein homolog (mouse); Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse) , mouse double minute 4, human homolog of; p53 binding protein; protein Mdm4; MDMX; protein Mdmx; MDM4-related protein 1; mdm2-like p53-binding protein; double minute 4, human homolog of; p53-binding protein; Mdm4, transformed 3T3 cell double minute 4, p53 binding protein; HDMX; MRP1; MGC132766; DKFZp781B1423;
Gene ID	4194
mRNA Refseq	NM_001204171
Protein Refseq	NP_001191100
MIM	602704
UniProt ID	O15151

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Chromosome Location	1q32
Pathway	p53 pathway, organism-specific biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem;
Function	enzyme binding; metal ion binding; protein binding; zinc ion binding; zinc ion binding;

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