

Recombinant Human MDM2 293 Cell Lysate

Cat. No. MDM2-4404HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for Mdm2 p53 binding protein homolog (mouse) (MDM2), transcript variant MDM2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [MDM2 Mdm2, p53 E3 ubiquitin protein ligase homolog \(mouse\) \[Homo sapiens \]](#)

Official Symbol MDM2

Synonyms

MDM2; Mdm2, p53 E3 ubiquitin protein ligase homolog (mouse); Mdm2 p53 binding protein homolog (mouse) , Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) , mouse double minute 2, human homolog of; p53 binding protein; E3 ubiquitin-protein ligase Mdm2; HDM2; HDMX; MGC5370; oncoprotein Mdm2; MDM2 variant FB28; MDM2 variant FB30; double minute 2, human homolog of; p53-binding protein; Mdm2, transformed 3T3 cell double minute 2, p53 binding protein; hdm2; ACTFS; MGC71221;

Gene ID [4193](#)

mRNA Refseq [NM_002392](#)

Protein Refseq [NP_002383](#)

MIM [164785](#)

UniProt ID [Q00987](#)

Chromosome Location 12q13-q14

Pathway

AKT phosphorylates targets in the cytosol, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Androgen Receptor Signaling

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Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem;

Function

enzyme binding; ligase activity; metal ion binding; p53 binding; protein binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity; zinc ion binding; zinc ion binding;

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