

Recombinant Human MAD2L1 293 Cell Lysate

Cat. No. MAD2L1-4570HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for MAD2 mitotic arrest deficient-like 1 (yeast) (MAD2L1) 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.

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

GENE INFORMATION
Gene Name

[MAD2L1](#) [MAD2](#) mitotic arrest deficient-like 1 (yeast) [[Homo sapiens](#)]

Official Symbol

[MAD2L1](#)

Synonyms

[MAD2L1](#); [MAD2](#) mitotic arrest deficient-like 1 (yeast); [MAD2](#) (mitotic arrest deficient, yeast, homolog) like 1; mitotic spindle assembly checkpoint protein [MAD2A](#); [HSMAD2](#); [MAD2](#); [MAD2-like protein 1](#); mitotic arrest deficient 2-like protein 1; mitotic arrest deficient, yeast, homolog-like 1; [MAD2](#) (mitotic arrest deficient, yeast, homolog)-like 1;

Gene ID

[4085](#)

mRNA Refseq

[NM_002358](#)

Protein Refseq

[NP_002349](#)

MIM

[601467](#)

UniProt ID

[Q13257](#)

**Chromosome
Location**

4q27

Pathway

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem;
APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem;

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Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Amplification of signal from unattached kinetochores via a MAD2 inhibitory signal, organism-specific biosystem; Amplification of signal from the kinetochores, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;

Function

protein binding; protein homodimerization activity;