

Recombinant Human MAD2L1, His-tagged

Cat. No. MAD2L1-28857TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Mad2L1 with an N terminal His tag ; mwt: 25.7 kDa.
Species	Human
Source	E.coli
ProteinLength	205 amino acids
Description	MAD2L1 is a component of the mitotic spindle assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate.MAD2L1 is related to the MAD2L2 gene located on chromosome 1.A MAD2 pseudogene has been mapped to chromosome 14.
Conjugation	HIS
Molecular Weight	25.700kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 20% Glycerol, 0.58% Sodium chloride, 0.02% DTT
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMALQLSREQGITLRGSAEIVAEFFSFGINSILYQIRGI
YPSETFTRVQKYGLTLLVTTDLELIKYLNNVVEQLKDWLYKCSVQKLVVVISNIESGE
VLERWQFDIECDKTAKDDSAPREKSQKAIQDEIRSVIRQITATVTFLPLLEVSCSFDLLI
YTDKDLVVPEKWEESGPQFITNSEEVRLRSFTTTIHKVNSMVAYKIPVND

Sequence Similarities

Belongs to the MAD2 family. Contains 1 HORMA domain.

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;

Gene ID

[4085](#)

mRNA Refseq

[NM_002358](#)

Protein Refseq

[NP_002349](#)

MIM

[601467](#)

Uniprot ID

[Q13257](#)

Chromosome Location

4q27

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Pathway

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

Function

protein binding; protein homodimerization activity;

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