

Recombinant Human MAD2 Mitotic Arrest Deficient-Like 1 (yeast), His-tagged

Cat. No. MAD2L1-6868H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAD2L1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 25.7 kDa.
Species	Human
Source	E.coli
ProteinLength	1-205aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Mass	25.7 kDa (225aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MALQLSREQG ITLRGS AEIV AEFFSFGINS ILYQRGIYPS ETFTRVQKYG LTLLVTTDL E LIKYLNNVVE QLKDWLYKCS VQQLVVVISN IESGEVLERW QFDIECDKTA KDDSAPREKS QKAIQDEIRS VIRQITATVT FLPLLEVSCS FDLIIYTDKD LVVPEKWEES GPQFITNSEE VRLRSFTTTI HKVNSMVAYK IPVND
Purity	>95% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
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

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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; Cell Cycle, organism-specific biosystem;
 Cell Cycle Checkpoints, organism-specific biosystem;

Function

protein binding; protein homodimerization activity;