Recombinant Human MAD2L1 protein, His-tagged

Cat. No. MAD2L1-161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAD2L1 (Met1-Asp205) protein was fused to His-tag at C-terminus and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-205 a.a.
Description	Mitotic arrest deficient 2-like protein 1 (MAD2L1) is also known as Mitotic spindle assembly checkpoint protein MAD2A (HsMAD2), MAD2. MAD2L1/MAD2 belongs to the MAD2 family. MAD2L1/MAD2 contains one HORMA domain. MAD2L1 is the component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. MAD2L1/MAD2 is required for the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate.
Predicted N Terminal	Met1
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 24.3 kDa. The protein migrates as 24 kDa under reducing (R) condition (SDS-PAGE).

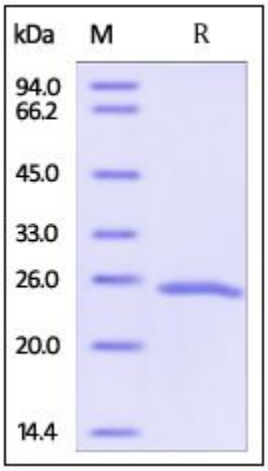
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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MAD2L1
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

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MIM	601467
UniProt ID	Q13257
SDS-PAGE of MAD2L1-161H	 Human MAD2L1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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