

Recombinant Mouse Mad2l1 Protein, Myc/DDK-tagged

Cat. No. Mad2l1-3895M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Purified recombinant protein of mouse full-length MAD2 mitotic arrest deficient-like 1 (Mad2l1), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| Species | Mouse |
| Source | HEK293 |
| Description | <p>Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. In the closed conformation (C-MAD2) forms a heterotetrameric complex with MAD1L1 at unattached kinetochores during prometaphase, and recruits an open conformation of MAD2L1 (O-MAD2) which then promotes the conversion of O-MAD2 to C-MAD2. 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.</p> |
| Molecular Mass | 24 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade after receiving vials. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mad2l1 MAD2 mitotic arrest deficient-like 1 [*Mus musculus* (house mouse)]

Official Symbol Mad2l1

Synonyms MAD2L1; MAD2 mitotic arrest deficient-like 1 (yeast); mitotic spindle assembly checkpoint protein MAD2A; MAD2-like protein 1; mitotic arrest deficient 2-like protein 1; MAD2 (mitotic arrest deficient, homolog)-like 1; MAD2; AA673185; MGC113763

Gene ID 56150

mRNA Refseq NM_019499

Protein Refseq NP_062372

UniProt ID Q9Z1B5

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