

Recombinant Mouse Cdc20 Protein, MYC/DDK-tagged

Cat. No. Cdc20-352M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse cell division cycle 20 (Cdc20), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1: in metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 induces presynaptic differentiation.
Molecular Mass	54.8 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.
Concentration	>50 ug/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Cdc20 cell division cycle 20 [*Mus musculus* (house mouse)]

Official Symbol Cdc20

Synonyms Cdc20; cell division cycle 20; C87100; p55CDC; 2310042N09Rik; cell division cycle protein 20 homolog; cell division cycle 20 homolog; mmCdc20

Gene ID 107995

mRNA Refseq NM_023223

Protein Refseq NP_075712

UniProt ID Q9JJ66

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