

Product datasheet for **TP305641M**

CDC25C (NM_001790) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cell division cycle 25 homolog C (*S. pombe*) (CDC25C), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205641 protein sequence
Red=Cloning site **Green**=Tags(s)

MSTELFSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVGKFLGDSANLSILSGGTPKC
CLDLSNLSSGEITATQLTTSADLDETGHLDSSGLQEVHLAGMNHQHLMKCSQAQLLCSTPNGLDRGHRK
RDAMCSSANKENDNGNLVDSEMKYLGSPITTVPKLKDKNPNLGEDQAEIISDELMEFSLKDQEAKVSRSR
LYRSPSPENLNRPRKQVEKFKDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQG
HLIGDFSKVCALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYELGGHIQGALNLYSQ
EELFNFLKKPIVPLDTQKRIIVFHCFSSERGPRMCRCLREEDRSLNQYPALYPYELKGGYRDF
PEYMECEPQSYCPMHHQDHKTELLRCRSQSKVQEGERQLREQIALLVKDMSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 53.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001781](#)

Locus ID: 995

UniProt ID: [P30307](#)

RefSeq Size: 2191

Cytogenetics: 5q31.2

RefSeq ORF: 1419

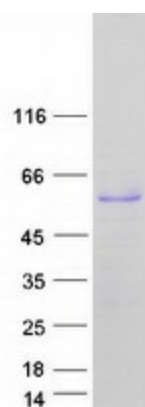
Synonyms: CDC25; PPP1R60

Summary: This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome, Phosphatase, Stem cell - Pluripotency

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified CDC25C protein (Cat# [TP305641]). The protein was produced from HEK293T cells transfected with CDC25C cDNA clone (Cat# [RC205641]) using MegaTran 2.0 (Cat# [TT210002]).