

## Product datasheet for TP305641L

### CDC25C (NM\_001790) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cell division cycle 25 homolog C ( <i>S. pombe</i> ) (CDC25C), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205641 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSTELFSSTREEGSSGSGPSFRSNQRKMLNLLLRDTSFTVCPDVPRTPVVGKFLGDSANLSILSGGTPKC  
CLDLSNLSSGEITATQLTTSADLDETGHLDSSGLQEVHLAGMNHQHLMKCSQAQLLCSTPNGLDRGHRK  
RDAMCSSANKENDNGNLVDSEMKYLGSPITVTKLDPKPNLGEDQAEEISDELMEFSLKDQEAKVSRSR  
LYRSPSPENLNRPRKQVEKFKDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQG  
HLIGDFSKVCALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYELGGHIQGALNLYSQ  
EELFNFLKKPIVPLDTQKRIIVFHCFSSERGPRMCRCLREEDRSLNQYPALYPPELYILKGGYRDF  
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

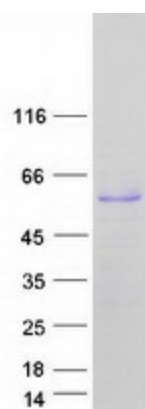
Synonyms: CDC25; PPP1R60

**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]).