

# Recombinant Human CDC25C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDC25C-5300H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** CDC25C MS Standard C13 and N15-labeled recombinant protein (NP\_001781) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

**Species** Human

**Source** HEK293

**Description** 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.

**Molecular Mass** 53.3 kDa

**AA Sequence**

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MSTELFSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTTPVGKFLGD
SANLSILSGGTPKCCLDLSNLSSGEITATQLTTSADLDETGHLDSSGLQEVHLAGMN
HDQHLMKCSQAQLLCSTPNGLDRGHRKRDAMCSSSANKENDNGNLVDSEMKYLG
SPITTVPKLDKNPNLGEDQAEIISDELMEFSLKDQEAQVSRSGLYRSPSPENLNRP
RLKQVEKFKDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQGH
LIGDFSKVCALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEYLG
HIQGALNLYSQEELFNFFLKKPIVPLDTQKRIIIIVFHCFSSERGPRMCRCLREEDRSL
NQYPALYYPELYILKGGYRDFPEYMELCPEQSYCPMHHDHKTLLRCRSQSKVQ
EGERQLREQIALLVKDMSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	CDC25C cell division cycle 25C [ Homo sapiens (human) ]
<b>Official Symbol</b>	CDC25C
<b>Synonyms</b>	CDC25C; cell division cycle 25 homolog C (S. pombe); CDC25, cell division cycle 25 homolog C (S. cerevisiae), cell division cycle 25C; M-phase inducer phosphatase 3; PPP1R60; protein phosphatase 1; regulatory subunit 60; mitosis inducer CDC25; cell division cycle 25C; phosphotyrosine phosphatase; dual specificity phosphatase CDC25C; protein phosphatase 1, regulatory subunit 60; CDC25;
<b>Gene ID</b>	995
<b>mRNA Refseq</b>	NM_001790
<b>Protein Refseq</b>	NP_001781
<b>MIM</b>	157680

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UniProt ID

P30307

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