Recombinant Human CDC25C

Cat. No. CDC25C-27900TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cdc25C with N-terminal proprietary tag, 84kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	473 amino acids
Description	This gene is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known.
Molecular Weight	84.000kDa inclusive of tags
Biological activity	The Specific activity of CDC25C-27900TH was determined to be 22 nmol/min/mg.
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the MPI phosphatase family.Contains 1 rhodanese domain.

GENE INFORMATION

Gene Name	CDC25C cell division cycle 25 homolog C (S. pombe) [Homo sapiens]
Official Symbol	CDC25C
Synonyms	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;
Gene ID	995
mRNA Refseq	NM_001790
Protein Refseq	NP_001781
MIM	157680
Uniprot ID	P30307
Chromosome Location	5q31
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-

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	specific biosystem;
Function	WW domain binding; hydrolase activity; protein binding; protein tyrosine phosphatase activity;

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