

## Recombinant Human CDC25C Protein, GST-Tagged

**Cat. No.** CDC25C-0918H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CDC25C full-length ORF (AAH19089.1, 1 a.a. - 473 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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]                                                                                                                                            |
| <b>Molecular Mass</b>   | 79.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MSTELFSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVGKFLGD<br>SANLSILSGGTPKCCLDLSNLSSGEITATQLTTSADLDETGHLDSSGLQEVHLAGMN<br>HDQHLMKCSPAQLLCSTPNGLDRGHRKRDAMCSSSANKENDNGNLVDSEMKYL<br>SPITTVPKLDKNPNLGEDQAEISDELMEFSLKDQEAQVSRSGLYRSPSPMPENLNRP<br>RLKQVEKFKDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQGH<br>LIGDFSQVLCALPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEYLG<br>HIQGALNLYSQEELFNFFLKKPIVPLDTQKRIVFHCFSSERGPRMCRCLREEDRSL<br>NQYPALYYPELYILKGGYRDFPEYMECEPQSYCPMHQDHKTELLRCRSQSKVQ<br>EGERQLREQIALLVKDMSP |

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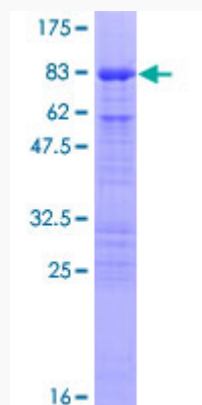
|                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | CDC25C cell division cycle 25 homolog C (S. pombe) [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                 |
| <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                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | P30307                                                                                                                                                                                                                                                                                                                                                                                              |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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