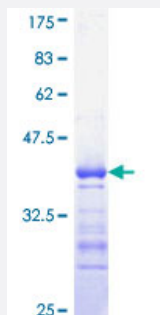


CDC25C (Human) Recombinant Protein (Q01)

Catalog # H00000995-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human CDC25C partial ORF (AAH19089, 21 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FRSNQRKMLNLLLERDTSFTVCPDVPRTVPVGKFLGDSANLSILSGGTPKCCLDLSNLSSGEITATQ LTTSADLDETGHLDSSGLQEVHLAGMNHQHLMKCSPAQLLCST
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDC25C

Entrez GeneID [995](#)

GeneBank Accession# [BC019089](#)

Protein Accession# [AAH19089](#)

Gene Name CDC25C

Gene Alias CDC25

Gene Description cell division cycle 25 homolog C (S. pombe)

Omim ID [157680](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations cell division cycle 25C|cell division cycle 25C protein|dual specificity phosphatase CDC25C|m-phase inducer phosphatase 3|mitosis inducer CDC25|phosphotyrosine phosphatase

Pathway

- [Cell cycle](#)

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)