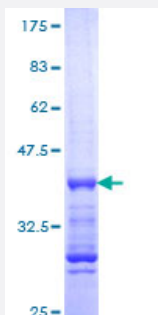


CDC25B (Human) Recombinant Protein (Q01)

Catalog # H00000994-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDC25B partial ORF (NP_068660, 181 a.a. - 280 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VRFWKAGVGALREEEGACWGGSLACEDPPLPSWLQDGFVKMPWKPTHPSSSTHALAEWASR REAFAPRPSSAPDLMCLSPDRKMEVEELSPLALGRFSLT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — CDC25B

Entrez GeneID	994
GeneBank Accession#	NM_021874
Protein Accession#	NP_068660
Gene Name	CDC25B
Gene Alias	-
Gene Description	cell division cycle 25 homolog B (S. pombe)
Omim ID	116949
Gene Ontology	Hyperlink
Gene Summary	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist. [provided by RefSeq]
Other Designations	OTTHUMP00000030137 OTTHUMP00000030138 OTTHUMP00000030139 cell division cycle 25B

Pathway

- [Cell cycle](#)
- [MAPK signaling pathway](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)