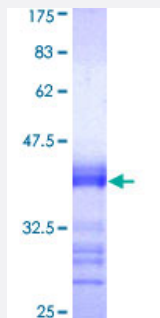


CDC25A (Human) Recombinant Protein (Q01)

Catalog # H00000993-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDC25A partial ORF (AAH07401, 151 a.a. - 250 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PVRPVSRGCLHSHGLQEKGDLFTQRQNSAPARMLSSNERDSSEPGNFIPFTPQSPVTATLSDE DDGFVDLLDGENLKNEEETPSCMASLWTAPLVMRTT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — CDC25A

Entrez GeneID [993](#)

GeneBank Accession# [BC007401](#)

Protein Accession# [AAH07401](#)

Gene Name CDC25A

Gene Alias CDC25A2

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

Omim ID [116947](#)

Gene Ontology [Hyperlink](#)

Gene Summary CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations M-phase inducer phosphatase 1|cell division cycle 25A|dual specificity phosphatase CDC25A

Pathway

- [Cell cycle](#)

Disease

- [Adenocarcinoma](#)
- [Breast Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)