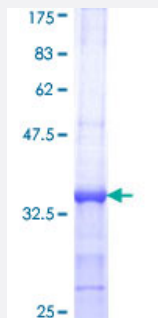


CDC45L (Human) Recombinant Protein (Q01)

Catalog # H00008318-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDC45L partial ORF (NP_003495, 477 a.a. - 566 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FVCSTKNRRCKLLPLVMAAPLSMEHGTVTTVVGIPPETDSSDRKNFFGRAFEKAAESTSSRMLHN HFDLSVIELKAEDRSKFLDALISLLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (93); Rat (96)
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 — CDC45L

Entrez GeneID [8318](#)

GeneBank Accession# [NM_003504](#)

Protein Accession# [NP_003495](#)

Gene Name CDC45L

Gene Alias CDC45, CDC45L2, PORC-PI-1

Gene Description CDC45 cell division cycle 45-like (S. cerevisiae)

Omim ID [603465](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene was identified by its strong similarity with Saccharomyces cerevisiae Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in Xenopus suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Multiple polyadenylation sites of this gene are reported. [provided by RefSeq]

Other Designations

CDC45 (cell division cycle 45, S.cerevisiae, homolog)-like|CDC45-like|CDC45-related protein|cell division cycle 45-like 2|human CDC45

Pathway

- [Cell cycle](#)

Disease

- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)