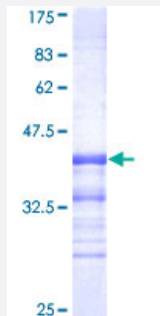


CDK8 (Human) Recombinant Protein (Q01)

Catalog # H00001024-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDK8 partial ORF (NP_001251, 375 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QQQGNNHTNGTGHPGNQDSSHTQGPPKKVVRVVPPTTTSGGLIMTSDYQRSNPAAYPNPGPST SQPQSSMGYSATSQQPPQYSHQTHRY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — CDK8

Entrez GeneID [1024](#)

GeneBank Accession# [NM_001260](#)

Protein Accession# [NP_001251](#)

Gene Name CDK8

Gene Alias K35, MGC126074, MGC126075

Gene Description cyclin-dependent kinase 8

Omim ID [603184](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc 28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit cyclin C are components of the RNA polymerase II holoenzyme complex, which phosphorylates the carboxy-terminal domain (CTD) of the large subunit of RNA polymerase II. This kinase has also been shown to regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH), thus providing a link between the 'Mediator-like' protein complexes and the basal transcription machinery. [provided by RefSeq]

Other Designations CDK8 protein kinase|OTTHUMP00000018158|cell division protein kinase 8|protein kinase K35