Full-Length

CDK8 (Human) Recombinant Protein (P01)

Catalog # H00001024-P01 Size 50 ug

Specification

Product Description	Human CDK8 full-length ORF (NP_001251.1, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDYDFKVKLSSERERVEDLFEYEGCKVGRGTYGHVYKAKRKDGKDDKDYALKQIEGTGISMSAC REIALLRELKHPNVISLQKVFLSHADRKVWLLFDYAEHDLWHIIKFHRASKANKKPVQLPRGMVKS LLYQILDGIHYLHANWVLHRDLKPANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVT FWYRAPELLLGARHYTKAIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPYHHDQLDRIFNVMGFPAD KDWEDIKKMPEHSTLMKDFRRNTYTNCSLIKYMEKHKVKPDSKAFHLLQKLLTMDPIKRITSEQAM QDPYFLEDPLPTSDVFAGCQIPYPKREFLTEEEPDDKGDKKNQQQQQGNNHTNGTGHPGNQDS SHTQGPPLKKVRVVPPTTTSGGLIMTSDYQRSNPHAAYPNPGPSTSQPQSSMGYSATSQQPPQY SHQTHRY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	79.7
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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)

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- Antibody Production
- Protein Array

Gene Info — CDK8

Entrez GeneID	1024
GeneBank Accession#	NM_001260.1
Protein Accession#	NP_001251.1
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 cdc28, 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 largest 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

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