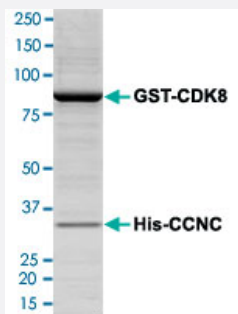


Bioactive

CDK8/CCNC (Human) Recombinant Protein

Catalog # P4663 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human CDK8 (XP_005266272.1, 1 a.a. - 463 a.a.) and CCNC (NP_005181.2, 1 a.a. - 283 a.a.) Recombinant protein with His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	CDK8: 83.051 , CCNC:
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	Immobilized metal affinity chromatography
Activity	27 pmol/ug × min

Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CCNC

Entrez GeneID	892
Protein Accession#	XP_005266272.1 (Gene ID : 1024);NP_005181.2 (Gene ID : 892)
Gene Name	CCNC
Gene Alias	CycC
Gene Description	cyclin C
Omim ID	123838
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the cyclin family of proteins. The encoded protein interacts with cyclin-dependent kinase 8 and induces the phosphorylation of the carboxy-terminal domain of the large subunit of RNA polymerase II. The level of mRNAs for this gene peaks in the G1 phase of the cell cycle. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000016897

Gene Info — CDK8

Entrez GeneID	1024
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Protein Accession#	XP_005266272.1 (Gene ID : 1024);NP_005181.2 (Gene ID : 892)
Gene Name	CDK8
Gene Alias	K35, MGC126074, MGC126075
Gene Description	cyclin-dependent kinase 8
Omim ID	603184
Gene Ontology	Hyperlink
Gene Summary	<p>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 <i>Saccharomyces cerevisiae</i> cdc28, and <i>Schizosaccharomyces pombe</i> 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]</p>
Other Designations	CDK8 protein kinase OTTHUMP00000018158 cell division protein kinase 8 protein kinase K35