

Recombinant Human CDK8/CCNC protein, GST-tagged

Cat. No. CDK8-CCNC-314H **Lot. No.** (See product label)

SPECIFICATION

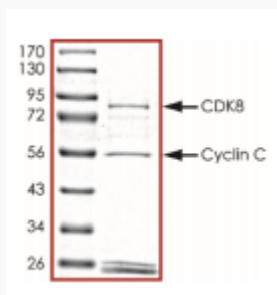
Product Overview	Recombinant full-length human CDK8/CCNC was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	CDK8 is a member of the CDK family which are important regulators of cell cycle progression. CDK8 associates with Cyclin C and is a component of the RNA polymerase II holoenzyme complex that phosphorylates the carboxy-terminal domain (CTD) of the largest subunit of RNA polymerase II. CDK8 regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH). Inhibition of CDK8 expression inhibits proliferation in colon cancer cells characterized by high levels of CDK8 and beta-catenin hyperactivity. CDK8 kinase activity is necessary for β -catenin-driven transformation and for expression of several β -catenin transcriptional targets.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol
Molecular Mass	CDK8 ~84kDa and CCNC ~55 kDa
Purity	The purity of CDK8/CCNC was determined to be >70% by densitometry.
Applications	WB

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Stability	1 year at -70 centigrade
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µL
GENE INFORMATION	
Gene Name	cyclin dependent kinase 8 [Homo sapiens (human)]; cyclin C [Homo sapiens (human)]
Official Symbol	CDK8; CCNC
Synonyms	CDK8; K35, MGC126074, MGC126075; CyclinC; CCNC; CycC
Gene ID	1024; 892
mRNA Refseq	NM_001260; NM_005190
Protein Refseq	NP_001251; NP_005181.2
MIM	603184; 123838
UniProt ID	P49336; P24863



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