

Recombinant Full Length Human CDK10 and CCNQ co-expressed Protein, N-GST-tagged

Cat. No. CDK10-CCNQ-01HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CDK10 and CyclinM proteins were co-expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Insect cells
Description	Cyclin-dependent kinase 10 (CDK10) belongs to cdc2 family of kinases and regulates the cell cycle (1). Cyclin M, the only conventional cyclin partner, protects CDK10 from ubiquitin mediated degradation (2). CDK10/cyclinM positively regulates the degradation of ETS2 through phosphorylation of two neighboring serines. ETS2 is a transcription factor that plays key roles in cancer and development. CDK10/CyclinM is also known to repress ciliogenesis and to maintain actin cytoskeleton through the phosphorylation of the PKN2 protein kinase and the control of RhoA stability (3).
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Molecular Mass	67kDa/52kDa
Purity	90%
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration >0.05 µg/µl

Shipping Product shipped on dry ice.

Use/Stability 1 yr at -70 centigrade from date of shipment.

GENE INFORMATION

Gene Name CDK10 cyclin dependent kinase 10 [Homo sapiens (human)] and CCNQ cyclin Q [Homo sapiens (human)]

Official Symbol CDK10 and CCNQ

Synonyms cyclin dependent kinase 10; ALSAS; PISSLRE; CDK10 and CycM; FAM58A; cyclin Q; CCNQ

Gene ID 8558 and 92002

mRNA Refseq NM_052988.5 and NM_152274.5

Protein Refseq NP_443714.3 and NP_689487.2

MIM 603464 and 300708

UniProt ID Q15131 and Q8N1B3

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