

Active Recombinant Human CDK3/CCNE2 protein, GST-tagged

Cat. No. CDK3-CCNE2-312H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CDK3 and CCNE2 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins.
Species	Human
Source	Insect Cells
Description	CDK3/CyclinE is a member of the cyclin-dependent protein kinase family and promotes entry into S phase, in part by activating members of the E2F family of transcription factors. CDK3 can also associate with cyclin C and phosphorylates the retinoblastoma 1 protein to promote exit from G0. The CDK3 gene has been mapped to chromosomal location of 17q22-qter, telomeric to the BRCA1 gene by somatic cell hybrids analysis. The presence of a single point mutation in the CDK3 gene from several Mus musculus strains commonly used in the laboratory has been reported.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol
Bio-activity	The specific activity of CDK3/CyclinE2 was determined to be 80nmol/min/mg as per activity protocol.
Molecular Mass	CDK3 ~60 kDa and CCNE2 ~72 kDa
Purity	The purity of CDK3/CCNE2 was determined to be >95% by densitometry.

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Applications	Kinase Assay; WB
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

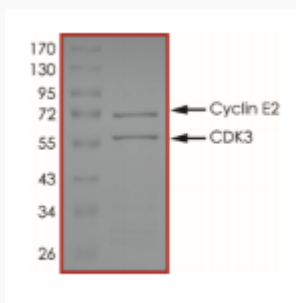
GENE INFORMATION

Gene Name	cyclin dependent kinase 3 [Homo sapiens (human)]; cyclin E2 [Homo sapiens (human)]
Official Symbol	CDK3; CCNE2
Synonyms	CDK3; CCNE2; CYCE2
Gene ID	1018; 9134
mRNA Refseq	NM_001258; NM_057749
Protein Refseq	NP_001249; NP_001228
MIM	123828; 603775
UniProt ID	Q00526; P24864

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