

Recombinant Human CDK1 protein, GST-tagged

Cat. No. CDK1-3330H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDK1 protein(NP_001777.1) (Met 1-Met 297) was expressed in Insect Cells, fused with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-297 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 0.5mM EDTA, 0.5mM GSH, pH 8.0.
Molecular Mass	The recombinant human CDC2/GST chimera consists of 522 amino acids and predicts a molecular mass of 60 kDa. It migrates as an approximately 53 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CDK1 cyclin-dependent kinase 1 [Homo sapiens]
Official Symbol	CDK1
Synonyms	CDK1; cyclin-dependent kinase 1; CDC2, cell division cycle 2, G1 to S and G2 to M; CDC28A; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M; CDC2; P34CDC2; MGC111195; DKFZp686L20222;
Gene ID	983
mRNA Refseq	NM_001170406
Protein Refseq	NP_001163877
MIM	116940
UniProt ID	P06493

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