CDK3/CyclinE2 Recombinant Protein | CDK3 recombinant protein

CDK3/CyclinE2, Active

CATALOG #	HOST	APPLICATIONS
AAA72969	**Sf9 insect cells using baculovirus**	**Western Blot**

PRODUCT SYNONYMS

CDK3/CyclinE2; Active; CDK3/CyclinE1; CDK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full length
Sequence Length	1584
Applicable Applications for CDK3 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES

Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for CDK3 recombinant protein	Description: Recombinant full-length human CDK3 and Cyclin E2 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins. Scientific Background: 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 (1). The presence of a single point mutation in the CDK3 gene from several Mus musculus strains commonly used in the laboratory has been reported (2).
Product Categories/Family for CDK3 recombinant protein	Enzymes; Active Kinases

References	1. Bullrich, F. et al: Chromosomal mapping of members of the cdc2 family of protein kinases, cdk3, cdk6, PISSLRE, and PITALRE, and a cdk inhibitor, p27-Kip1, to regions involved in human cancer. Cancer Res. 55: 1199-1205, 1995. 2. Ye, X. et al: A premature-termination mutation in the Mus musculus cyclin-dependent kinase 3 gene. Proc. Nat. Acad. Sci. 98: 1682-1686, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	164519034
NCBI GeneID	1018
NCBI Accession #	NM_001258.2
NCBI GenBank Nucleotide #	NM_001258
Molecular Weight	~60 kDa; ~72 kDa
NCBI Official Full Name	Homo sapiens cyclin dependent kinase 3 (CDK3), mRNA
NCBI Official Synonym Full Names	cyclin dependent kinase 3
NCBI Official Symbol	CDK3
NCBI Protein Information	cyclin-dependent kinase 3
UniProt Protein Name	Cyclin-dependent kinase 3
UniProt Gene Name	**CDK3**
UniProt Synonym Gene Names	CDKN3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/cdk3-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72969