CDK5/p35 recombinant protein

CDK5/p35, Active

CATALOG #	HOST	APPLICATIONS
AAA72973	**Sf9 insect cells using baculovirus**	**Western Blot**

PRODUCT SYNONYMS

CDK5/p35; Active; CDK5/p35 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	1211
Applicable Applications for CDK5/p35 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 CDK5/p35 recombinant protein	Description: Recombinant full-length human CDK5 and human p35 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: CDK5 is a member of the Cyclin-Dependent Kinase family that is most abundant in the mammalian brain. Active form of CDK5, which has also been called neuronal cdc2-like kinase, is a heterodimer of CDK5 and a 25 kDa protein which is derived proteolytically from a 35 kDa brain and neuron-specific protein and is essential for the kinase activity of CDK5 (1). CDK5 has emerged as a crucial regulator of neuronal migration in the developing central nervous system. CDK5 phosphorylates a diverse list of substrates, implicating it in the regulation of a range of cellular processes - from adhesion and motility, to synaptic plasticity and drug addiction (2).
Product Categories/Family for CDK5/p35 recombinant protein	Enzymes; Active Kinases
References	1. Tang, D. et al: Cyclin-dependent kinase 5 (Cdk5) and neuron-specific Cdk5 activators. Prog Cell Cycle Res. 1996;2:205-16. 2. Dhavan, R. et al: A decade of CDK5. Nat Rev Mol Cell Biol. 2001 Oct;2 (10):749-59.

NCBI AND UNIPROT INFORMATION

NCBI GI #	256574768
NCBI GeneID	1020
NCBI Accession #	NM_004935.3
NCBI GenBank Nucleotide #	NM_004935
UniProt Accession #	Q00535; A1XKG3
Molecular Weight	~59 kDa; ~60 kDa
NCBI Official Full Name	Homo sapiens cyclin dependent kinase 5 (CDK5), transcript variant 1, mRNA
NCBI Official Synonym Full Names	cyclin dependent kinase 5
NCBI Official Symbol	CDK5
NCBI Official Synonym Symbols	LIS7; PSSALRE
NCBI Protein Information	cyclin-dependent-like kinase 5
UniProt Protein Name	Cyclin-dependent-like kinase 5
UniProt Gene Name	**CDK5**
UniProt Synonym Gene Names	CDKN5; TPKII catalytic subunit

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/cdk5-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72973