Datasheet for ABIN5855017

CDK5 Protein (AA 1-292) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	CDK5
Protein Characteristics:	AA 1-292
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDK5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MQKYEKLEKI GEGTYGTVFK AKNRETHEIV ALKRVRLDDD DEGVPSSALR EICLLKELKH KNIVRLHDVL HSDKKLTLVF EFCDQDLKKY FDSCNGDLDP EIVKSFLFQL LKGLGFCHSR NVLHRDLKPQ NLLINRNGEL KLADFGLARA FGIPVRCYSA EVVTLWYRPP DVLFGAKLYS TSIDMWSAGC IFAELANAGR PLFPGNDVDD QLKRIFRLLG TPTEEQWPSM TKLPDYKPYP MYPATTSLVN VVPKLNATGR DLLQNLLKCN PVQRISAEEA LQHPYFSDFC PPHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CDK5
Alternative Name:	CDK5 (CDK5 Products)

Target Details

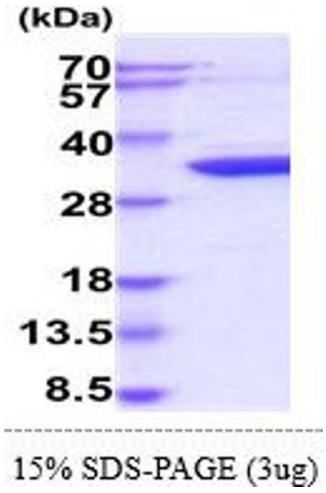
Background:	CDK5, also known as cyclin-dependent-like kinase 5 isoform 1, is a member of the cyclin dependent kinase family of serine/threonine kinases. It is present in numerous mammalian tissues including kidney, testes, and ovary. Its activity is detected almost exclusively in brain extracts. This is activated by association with a neuron-specific activator, p35 or its isoform p39. CDK5 is probably involved in the control of the cell cycle. Recombinant human CDK5 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	34.1kDa (298aa) 28-40KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_004926
UniProt:	Q00535
Pathways:	Cell Division Cycle, Regulation of Muscle Cell Differentiation, Synaptic Membrane, Regulation of Cell Size, Skeletal Muscle Fiber Development, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 40 % glycerol, 1 mM DTT.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.