

Recombinant human CDK5 protein

Catalog Number: ATGP3683

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-292aa

UniProt No.

Q00535

NCBI Accession No.

NP_004926

Alternative Names

Cyclin-dependent-like kinase 5 isoform 1, CDK5, LIS7, PSSALRE

PRODUCT SPECIFICATION

Molecular Weight

34.1 kDa (298aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 40% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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human CDK5 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

MQKYEKLEKI GEGTYGTVFK AKNRETHEIV ALKRVRLDDD DEGVPSSALR EICLLKELKH KNIVRLHDVL HSDKKLTLVF
EFCDQDLKKY FDSCNGDLDP EIVKSFLFQL LKGLGFCHSR NVLHRDLKPQ NLLINRNGEL KLADFGGLARA FGIPVRCYSA
EVVTLWYRPP DVLFGAKLYS TSIDMWSAGC IFAELANAGR PLFPGNDVDD QLKRFIRLLG TPTEEQWPSM TKLPDYKPYP
MYPATTSLVN VPKLNATGR DLLQNLLKCN PVQRISAEAA LQHPYFSDFC PP<HHHHHH>

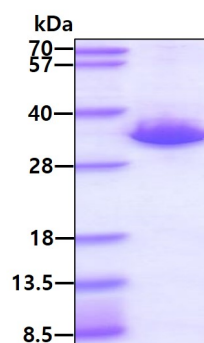
General References

Shupp A., et al, (2017) Oncotarget. 8:17373-17382.

Na YR., et al, (2015) Sci Signal. 8:ra121.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.