

Recombinant human CDK5RAP3 protein

Catalog Number: ATGP3070

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-506aa

UniProt No.

Q96JB5

NCBI Accession No.

NP_788276

Alternative Names

CDK5 regulatory subunit-associated protein 3 isoform b, C53, HSF-27, IC53, LZAP, MST016, OK/SW-cl.114, PP1553

PRODUCT SPECIFICATION

Molecular Weight

59kDa (526aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

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

CDK5RAP3 also known as CDK5 regulatory subunit-associated protein 3. This protein is potential regulator of CDK5 activity via its interaction with CDK5R. Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is composed of a catalytic subunit, CDK5, and an activating subunit, p25NCK5A. CDK5RAP3 binds to p25NCK5A and therefore may be involved in neuronal differentiation. Recombinant human CDK5RAP3, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

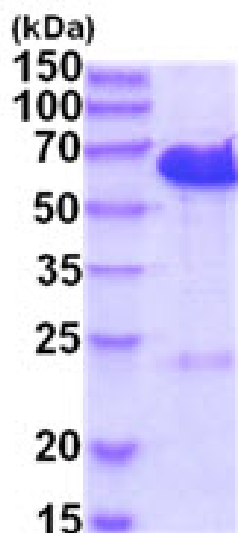
MGSSHHHHHH SSGLVPRGSH MEDHQHVPID IQTSKLLDWL VDRRHCSLKW QSLVLTIREK INAAIQDMPE SEEIAQLLSG
SYIHYFHCLR ILDLLKGTEA STKNIFGRYS SQRMKDWQEI IALYEKDNTRY LVELSSLLVR NVNYEIPSLK KQIAKCQQLQ
QEYSRKEEEC QAGAAEMREQ FYHSCKQYGI TGENVRGELL ALVKDLPSQL AEIGAAAQQS LGEAIDVYQA SVGFVCESPT
EQVLPMLRFV QKRGNSTVYE WRTGTEPSVV ERPHLEELPE QVAEDAIDWG DFGVEAVSEG TDSGISAEAA GIDWGIFPES
DSKDPGGDGI DWGDDAVALQ ITVLEAGTQA PEGVARGPDA LTLLEYTETR NQFLDELMEL EIFLAQRAVE LSEEADVLSV
SQFQLAPAIL QGQTKEKMT MVSVLEDLIG KLTSLQLQHL FMLASPRYV DRVTEFLQK LKQSQLLALK KELMVQKQQE
ALEEQAALP KLDLLLEKTK ELQKLEADI SKRYSGRPVN LMGTSL

General References

Kim S., et al. (2014) PLoS One. Jan 22
9(1):e87016.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)