

# Recombinant human CDK5RAP3 protein

Catalog Number: ATGP3070

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

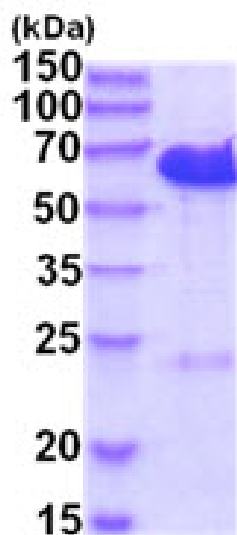
MGSSHHHHHH SSSLVPRGSH MEDHQHVPID IQTSKLLDWL VDRRHCSLKW QSLVLTIREK INAAIQDMPE SEEIAQLLSG  
SYIHYFHCLR ILDLLKGTEA STKNIFGRYS SQRMKDWQEI IALYEKDN TY LVELSLLVR NVNYEIPSLK KQIAKCQQLQ  
QEYSRKEEEC QAGAAEMREQ FYHSCKQYGI TGENVRGELL ALVKDLPSQL AEIGAAAQQS LGEAIDVYQA SVGFVCEPST  
EQVLPMLRFV QKRGNSTVYE WRTGTEPSVV ERPHLEELPE QVAEDAIDWG DFGVEAVSEG TDSGISAEAA GIDWGIFPES  
DSKDPGGDGI DWGDDAVALQ ITVLEAGTQA PEGVARGPDA LTLLEYTETR NQFLDELMEL EIFLAQRAVE LSEEADVLSV  
SQFQLAPAIL QGQTKEKMT MVSVLEDLIG KLTSLQLQHL FMILASPRYV DRVTEFLQK LKQSLLALK KELMVQKQQE  
ALEEQAALP KLDLLEKTK 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)