

Recombinant Human CDK5RAP3, His-tagged

Cat. No. CDK5RAP3-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDK5RAP3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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, nad an activating subunit, p25NCK5A. CDK5RAP3 binds to p25NCK5A and therefore may be involved in neuronal differentiation.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT
Molecular Mass	59.0kDa (526aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MEDHQHVPID IQTSKLLDWL VDRRHCSLKW QSLVLTIREK INAAIQDMPE SEEIAQLLSG SYIHYPFHCLR ILDLLKGTEA STKNIFGRYS SQRMKDWQEI IALYEKDNTRY LVELSSLLVR NVNYEIPSLK KQIAKCQQLQ QEYSRKEEEEC QAGAAEMREQ FYHSCKQYGI TGENVRGELL ALVKDLPSQL AEIGAAQQS LGEAIDVYQA SVGFVCESPT EQVLPMLRFV QKRGNSTVYE WRTGTEPSVV ERPHLEELPE QVAEDAIDWG DFGVEAVSEG TDSGISAEAA GIDWGIFPES DSKDPGGDGI DWGDDAVALQ ITVLEAGTQA

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PEGVARGPDA LTLLEYTETR NQFLDELMEL EIFLAQRAVE LSEEADVLSV
 SQFQLAPAIL QGQTKEKMT MVSVLEDLIG KLTSLQLQHL FMILASPRYV
 DRVTEFLQK LKQSQLLALK KELMVQKQAE ALEEQAALP KLDLLLEKTK
 ELQKLEADI SKRYSGRPVN LMGTSL

Purity >90% by SDS - PAGE

Storage 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.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CDK5RAP3 CDK5 regulatory subunit associated protein 3 [Homo sapiens]

Official Symbol CDK5RAP3

Synonyms CDK5RAP3; CDK5 regulatory subunit associated protein 3; CDK5 regulatory subunit-associated protein 3; C53; FLJ13660; HSF 27; IC53; ischemic heart CDK5 activator binding protein C53; LXXLL/leucine zipper containing ARFbinding protein; LZAP; MST016; OK/SW cl.114; ischemic heart CDK5 activator-binding protein C53; LXXLL/leucine-zipper-containing ARFbinding protein; HSF-27; OK/SW-cl.114;

Gene ID 80279

mRNA Refseq NM_176096

Protein Refseq NP_788276

MIM 608202

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UniProt ID	Q96JB5
Chromosome Location	17q21.2
Function	neuronal Cdc2-like kinase binding; protein binding;

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