
Product Data Sheet

Product Name: CDK5RAP3 Human
 Cat. No.: GP22991
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CDK5 Regulatory Subunit Associated Protein 3; LXXLL/Leucine-Zipper-Containing ARF-Binding Protein; LXXLL/Leucine-Zipper-Containing ARFbinding Protein; Ischemic Heart CDK5 Activator-Binding Protein C53; IC53; LZAP; CDK5 Regulatory Subunit Associated Protein IC53-2; CDK5 Regulatory Subunit-Associated Protein 3; CDK5 Activator-Binding Protein C53; Protein HSF-27; OK/SW-CI.114; HSF-27; MST016; PP1553; C53; CDK5RAP3.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MEDHQHVPID IQTSKLLDWL VDRRHCSLKW QSLVLTIREK INAAIQDMPE SEEIAQLLSG SYIHYFHCLR ILDLLKGTEA STKNIFGRYS SQRMKDWQEI IALYEKDNITY LVELSSLLVR NVNYEIPSLK KQIAKCQQLQ QEYSRKEEEC QAGAAEMREQ FYHSCQYGI TGENVRGELL ALVKDLPSQL AEIGAAAQQS LGEAIDVYQA SVGFVCSPT EQVLPMLRFV QKRGNSTVYE WRTGTEPSVV ERPHLEELPE QVAEDAIDWG DFGVEAVSEG TDSGISAEAA GIDWGIFPES DSKDPGGDGI DWGDDAVALQ ITVLEAGTQA PEGVARGPDA LTLLEYTETR NQFLDELMEL EIFLAQRAVE LSEEADVLSV SQFQLAPAIL QGQTKEKMVT MVSVLEDLIG KLTSLQLQHL FMILASPRYV DRVTEFLQQK LKQSLLALK KELMVQKQQE ALEEQAALP KLDLLEKTK ELQKLEADI SKRYSGRPVN LMGTSL.</p>		
Formulation	CDK5RAP3 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.		

Introduction

CDK5 Regulatory Subunit Associated Protein 3 (CDK5RAP3) is a potential regulator of CDK5 activity via its interaction with CDK5R. Neuronal CDC2-like kinase, which is involved in the regulation of neuronal differentiation, is comprised of a catalytic subunit,

Caution: Product has not been fully validated for medical applications. For research use only.

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CDK5, nad an activating subunit, p25NCK5A. CDK5RAP3 binds to p25NCK5A and hence may be involved in neuronal differentiation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CDK5RAP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 526 amino acids (1-506 a.a) and having a molecular mass of 59kDa. CDK5RAP3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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