



## Recombinant Human CDK5 Regulatory Subunit Associated Protein 3 Datasheet

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**Catalog Number:** PR27285

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEDHQHVPID IQTSKLLDWL VDRRHCSLKW QSLVLTIREK  
INAAIQDMPE SEEIAQLLSG SYIHVFHCLR ILDLLKGTEA STKNIFGRYS SQRMKDWQEI IALYEKDNLY  
LVELSSLVLR NVNYEIPSLK KQIAKCCQLQ QEYSRKEEEEC QAGAEMREQ FYHSCKQYGI  
TGENVRGELL ALVKDLPSQL AEIGAAAQQS LGEAIDVYQA SVGFVCSPT EQVLPMLRFV  
QKRGNSTVYE WRTGTPEPSV ERPHLEELPE QVAEDAIDWG DFGVEAVSEG TDSGISAEAA  
GIDWGFPEPES DSKDPGGDGI DWGDDAVALQ ITVLEAGTQA PEGVARGPDA LTLLEYTETR  
NQFLDELMELEIFLAQRAVE LSEEADVLSV SQFLAPAIL QGQTKKEMVT MVSVLEDLIG KLTSLQLQH  
FMILASPRYV DRVTEFLQKQ LKQSLLALK KELMVQKQQE ALEEQAALP KLDLLEKTK ELQKLIAD  
SKRYSGRPVN LMGTSL.

**Description/Molecular Mass:** 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, CDK5, and an activating subunit, p25NCK5A. CDK5RAP3 binds to p25NCK5A and hence may be involved in neuronal differentiation.

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.

**Purity:** Greater than 90.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CDK5RAP3 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

**Storage:** 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.

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