CDK5 Regulatory Subunit-Associated Protein 1 (CDK5RAP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CDK5 regulatory subunit-associated protein 1 (Cdk5rap1), Recombinant Protein
Full Product Name	Recombinant Mouse CDK5 regulatory subunit-associated protein 1 (Cdk5rap1)
Product Gene Name	Cdk5rap1 recombinant protein
Product Synonym Gene Name	Cdk5rap1
Sequence	MHPLRCVLQV QRLSAPFTSM CWVLLRTCRA QSSVSSTPCP SPEAKSSEAQ KDFSSRLATG PTFQHFLRSA SVPQEKPSSP EVEDPPPYLS GDELLGRQRK VYLETYGCQM NVNDTEIAWS ILQKSGYLRT SNLQEADVIL LVTCSIREKA EQTIWNRLHQ LKVLKTKRPR SRVPLRIGIL GCMAERLKGE ILNREKMVDL LAGPDAYRDL PRLLAVVESG QQAANVLLSL DETYADIMPV QTSPSATSAF VSIMRGCDNM CSYCIVPFTR GRERSRPVAS ILDEVRKLSE QGLKEVTLLG QNVNSFRDNS EVQFNNAGSA NLSRGFTTNY KPKQGGLRFS HLLDQVSRID PEMRIRFTSP HPKDFPDEVL QLIRERHNIC KQIHLPAQSG SSRVLDAMRR GYSREAYVAL VHHVRETIPG VSLSSDFITG FCGETEDDHR QTVSLLREVQ YNTGFLFAYS MRQKTRAYHR LKDDVPEEVK LRRLEELITV FREEASKANK TSVGCSQLVL VEGFSKRSTT DLCGRNDANL KVIFPDAEVE DITNPGLKVR AQPGDYVLVK ITSASSQTLK GHILCRTTMK DSLTYCTT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	66,110 Da
Sequence Positions	1-588, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8BTW8
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cdk5rap1 recombinant protein	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. This protein binds to p25NCK5A and therefore may be involved in neuronal differentiation. Multiple transcript variants exist for this gene, but the full-length natures of only two have been determined.
Other Notes	Small volumes of Cdk5rap1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Cdk5rap1 purchase	MBS1337164 is a recombinant protein targeting Cdk5rap1. Also known as Recombinant Mouse CDK5 regulatory subunit-associated protein 1 (Cdk5rap1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cdk5rap1. It may not necessarily be applicable to this product.

NCBI GI #	13385358
NCBI GeneID	66971
NCBI Accession #	NP_080152.1
UniProt Primary Accession #	Q8BTW8
UniProt Secondary Accession #	Q9D6Q4
UniProt Related Accession #	Q8BTW8
GenBank Nucleotide #	NM_025876.2
NCBI Official Full Name	CDK5 regulatory subunit-associated protein 1
NCBI Official Synonym Full Names	CDK5 regulatory subunit associated protein 1
NCBI Official Symbol	Cdk5rap1
NCBI Official Synonym Symbols	2310066P17Rik
UniProt Protein Name	CDK5 regulatory subunit-associated protein 1
UniProt Synonym Protein Names	CDK5 activator-binding protein C42
Protein Family	CDK5 regulatory subunit-associated protein
UniProt Gene Name	Cdk5rap1
NCBI Protein Information	CDK5 regulatory subunit-associated protein 1
UniProt Comments for Cdk5rap1	Probable regulator of CDK5 activity. May inhibit CDK5 function via its interaction with CDK5R1 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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