Cyclin-Dependent Kinase-Like 2 (CDKL2) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cyclin-dependent kinase-like 2 (Cdkl2), Recombinant Protein
Full Product Name	Recombinant Rat Cyclin-dependent kinase-like 2 (Cdkl2)
Product Gene Name	Cdkl2 recombinant protein
Product Synonym Gene Name	Cdkl2
Sequence	MEKYENLGLV GEGSYGMVMK CRNKDSGRIV AIKKFLESDD DKMVKKIAMR EIKLLKQLRH ENLVNLLEVC KKKKRWYLVF EFVDHTILDD LKLFPNGLDY QVVQKYLFQI INGIGFCHSH NIIHRDIKPE NILVSQSGVV KLCDFGFART LAAPGEVYTD YVATRWYRAP ELLVGDVKYG KAVDIWAIGC LVIEMLMGQP LFPGESDIDQ LHHIMTCLGN LIPRHQELFY KNPVFAGVRL PEIKDIEAEP LESRYPKLPE VVISLAKKCL HIDPDKRPLC ADLLHHDFFQ MDGFAERFSQ ELQLKIEKDA RNNSLPKKFQ IRKKEKDDAL GEERKTLVVQ DTNADPKTKD SKVLKVKGSK IDVEKTEKGT RASNGSCLHD NGTSHKGLSS TSLRDCSNVT IDHPRNPGTA IPPLTHNLSA VAPGINAAMG TIPGVQNYRV DEKTKKYCNP FVKPSQPSPS GIYNMNVSAS VSNCPLPRKS KHSPPLDLAV SMGARRVKLY LETESET
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	57,135 Da
Sequence Positions	1-507, 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 Q5XIT0
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cdkl2 recombinant protein	This gene product is a member of a large family of CDC2-related serine threonine protein kinases. It accumulates primarily in the cytoplasm, with lower levels in the nucleus.
Other Notes	Small volumes of Cdkl2 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 Cdkl2 purchase	MBS1431947 is a recombinant protein targeting Cdkl2. Also known as Recombinant Rat Cyclin-dependent kinase-like 2 (Cdkl2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cdkl2. It may not necessarily be applicable to this product.

NCBI GI #	58865646

NCBI GeneID	305242
NCBI Accession #	NP_001012035.1
UniProt Primary Accession #	Q5XIT0
UniProt Related Accession #	Q5XIT0
GenBank Nucleotide #	NM_001012035.1
NCBI Official Full Name	cyclin-dependent kinase-like 2
NCBI Official Synonym Full Names	cyclin dependent kinase like 2
NCBI Official Symbol	Cdkl2
UniProt Protein Name	Cyclin-dependent kinase-like 2
Protein Family	Cyclin-dependent kinase
UniProt Gene Name	Cdkl2
NCBI Protein Information	cyclin-dependent kinase-like 2
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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