Centrosomal Protein of 19 Kda (CEP19) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Centrosomal protein of 19 kDa (Cep19), Recombinant Protein
Full Product Name	Recombinant Rat Centrosomal protein of 19 kDa (Cep19)
Product Gene Name	Cep19 recombinant protein
Product Synonym Gene Name	Cep19
Sequence	MKYIAKKCGV RFQPPAMILI YENEAEGKSR QRIMPVRNFS KFSDCTRAAE QLKNNPRHKS YLEQVSLKQL EKLFVFLRGS LQGQSLAETM EQIQRETTID PEEDLNKLDD KELAKRKSIM DELFEKNQKR KDDPSFVYDV EVEFPQDEQL QSCSWDTASV DEF
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	19,149 Da
Sequence Positions	1-163, 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 Q9QZX9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cep19 recombinant protein	MBS1386912 is a recombinant protein targeting Cep19. Also known as Recombinant Rat Centrosomal protein of 19 kDa (Cep19). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cep19 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cep19. It may not necessarily be applicable to this product.

NCBI GI #	115503729
NCBI Accession #	Q9QZX9.2
UniProt Primary Accession #	Q9QZX9
NCBI Official Full Name	Centrosomal protein of 19 kDa
UniProt Protein Name	Centrosomal protein of 19 kDa
Protein Family	Centrosomal protein

UniProt Gene Name	Cep19
UniProt Synonym Gene Names	Cep19
UniProt Comments for Cep19	Required for ciliation. Recruits the RABL2B GTPase to the ciliary base to initiate ciliation. After specifically capturing the activated GTP-bound RABL2B, the CEP19-RABL2B complex binds intraflagellar transport (IFT) complex B from the large pool pre-docked at the base of the cilium and thus triggers its entry into the cilia. Involved in the early steps in cilia formation by recruiting the ciliary vesicles (CVs) to the distal end of the mother centriole where they fuse to initiate cilium assembly. Involved in microtubule (MT) anchoring at centrosomes.
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