Cytoskeleton-Associated Protein 2-Like (CKAP2L) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytoskeleton-associated protein 2-like (CKAP2L), Recombinant Protein
Full Product Name	Recombinant Human Cytoskeleton-associated protein 2-like (CKAP2L)
Product Gene Name	CKAP2L recombinant protein
Product Synonym Gene Name	CKAP2L
Sequence	MVGPGPTAAA AVEERQRKLQ EYLAAKGKLK SQNTKPYLKS KNNCQNQPPS KSTIRPKNDV TNHVVLPVKP KRSISIKLQP RPPNTAGSQK PKLEPPKLLG KRLTSECVSS NPYSKPSSKS FQQCEAGSST TGELSRKPVG SLNIEQLKTT KQQLTDQGNG KCIDFMNNIH VENESLDNFL KETNKENLLD ILTEPERKPD PKLYTRSKPK TDSYNQTKNS LVPKQALGKS SVNSAVLKDR VNKQFVGETQ SRTFPVKSQQ LSRGADLARP GVKPSRTVPS HFIRTLSKVQ SSKKPVVKNI KDIKVNRSQY ERPNETKIRS YPVTEQRVKH TKPRTYPSLL QGEYNNRHPN IKQDQKSSQV CIPQTSCVLQ KSKAISQRPN LTVGRFNSAI PSTPSIRPNG TSGNKHNNNG FQQKAQTLDS KLKKAVPQNH FLNKTAPKTQ ADVTTVNGTQ TNPNIKKKAT AEDRRKQLEE WQKSKGKTYK RPPMELKTKR KVIKEMNISF WKSIEKEEEE KKAQLELSSK INNTLTECLN LIEGGVPSNE ILNILSSIPE AEKFAKFWIC KAKLLASKGT FDVIGLYEEA IKNGATPIQE LRKVVLNILQ DSNRTTEGIT SDSLVAETSI TSVEELAKKM ESVKSCLSPK EREQVTATPR IAKAEQHNYP GIKLQIGPIP RINGMPEVQD MKFITPVRRS SRIERAVSRY PEMLQEHDLV VASLDELLEV EETKCFIFRR NEALPVTLGF QTPES
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	65,611 Da
Sequence Positions	1-745, 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.
OMIM	272440
3D Structure	ModBase 3D Structure for Q8IYA6
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CKAP2L recombinant protein	MBS1341470 is a recombinant protein targeting CKAP2L. Also known as Recombinant Human Cytoskeleton-associated protein 2-like (CKAP2L). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CKAP2L 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 CKAP2L. It may not necessarily be applicable to this product.

NCBI GI #	748983483
NCBI GeneID	150468
NCBI Accession #	NP_001291290.1
UniProt Primary Accession #	Q8IYA6
UniProt Secondary Accession #	Q53QF8; Q53RS8; Q8N1J8; A8K915; B4DZE3; B7ZAC6; F5H0M5
UniProt Related Accession #	Q8IYA6
GenBank Nucleotide #	NM_001304361.1
NCBI Official Full Name	cytoskeleton-associated protein 2-like isoform 2
NCBI Official Synonym Full Names	cytoskeleton associated protein 2 like
NCBI Official Symbol	CKAP2L
UniProt Protein Name	Cytoskeleton-associated protein 2-like
UniProt Synonym Protein Names	Radial fiber and mitotic spindle protein; Radmis
Protein Family	Cytoskeleton-associated protein
UniProt Gene Name	CKAP2L
UniProt Synonym Gene Names	Radmis
NCBI Protein Information	cytoskeleton-associated protein 2-like
NCBI Summary for CKAP2L	The protein encoded by this gene is thought to be a mitotic spindle protein important to neural stem or progenitor cells. Mutations in this gene have been associated with spindle organization defects, including mitotic spindle defects, lagging chromosomes, and chromatin bridges. There is evidence that mutations in this gene are associated with Filippi syndrome, characterized by growth defects, microcephaly, intellectual disability, facial feature defects, and syndactyly. There is a pseudogene of this gene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
UniProt Comments for CKAP2L	Microtubule-associated protein required for mitotic spindle formation and cell-cycle progression in neural progenitor cells.
Research Articles on CKAP2L	**1.** Loss-of-function mutations in CKAP2L are a major cause of Filippi syndrome.
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