Dynein Light Chain 2, Cytoplasmic (DYNLL2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dynein light chain 2, cytoplasmic (DYNLL2), Recombinant Protein
Full Product Name	Recombinant Human Dynein light chain 2, cytoplasmic (DYNLL2)
Product Gene Name	DYNLL2 recombinant protein
Product Synonym Gene Name	DYNLL2
Sequence	MSDRKAVIKN ADMSEDMQQD AVDCATQAME KYNIEKDIAA YIKKEFDKKY NPTWHCIVGR NFGSYVTHET KHFIYFYLGQ VAILLFKSG
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	10,350 Da
Sequence Positions	1-89, 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	608942
3D Structure	ModBase 3D Structure for Q96FJ2
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DYNLL2 recombinant protein	MBS1332082 is a recombinant protein targeting DYNLL2. Also known as Recombinant Human Dynein light chain 2, cytoplasmic (DYNLL2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DYNLL2 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 DYNLL2. It may not necessarily be applicable to this product.

NCBI GI #	18087855
NCBI GeneID	140735
NCBI Accession #	NP_542408.1
UniProt Primary Accession #	Q96FJ2
UniProt Secondary Accession #	B2R5B4

UniProt Related Accession #	Q96FJ2
GenBank Nucleotide #	NM_080677.2
NCBI Official Full Name	dynein light chain 2, cytoplasmic
NCBI Official Synonym Full Names	dynein light chain LC8-type 2
NCBI Official Symbol	DYNLL2
NCBI Official Synonym Symbols	Dlc2; DNCL1B; RSPH22
UniProt Protein Name	Dynein light chain 2, cytoplasmic
UniProt Synonym Protein Names	8 kDa dynein light chain b; DLC8b; Dynein light chain LC8-type 2
Protein Family	Dynein
UniProt Gene Name	DYNLL2
UniProt Synonym Gene Names	DLC2; DLC8b
NCBI Protein Information	dynein light chain 2, cytoplasmic
UniProt Comments for DYNLL2	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in changing or maintaining the spatial distribution of cytoskeletal structures ().
Research Articles on DYNLL2	**1.** The DYNLL2 binding region, located in an intrinsically disordered domain of the myo5a tail, has a nascent helical character.
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