Dynein Assembly Factor 1, Axonemal (DNAAF1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dynein assembly factor 1, axonemal (Dnaaf1), Recombinant Protein
Full Product Name	Recombinant Rat Dynein assembly factor 1, axonemal (Dnaaf1)
Product Gene Name	Dnaaf1 recombinant protein
Product Synonym Gene Name	Dnaaf1
Sequence	MHPEASEPPV DSAAEPSLEE SAGDHGDAGP GVRKEEINET KETCVGPCTT SCQSQQQPSG DNGSDGLFTH SRDDRDDRGP RMTKQFLQKL CKQHKLYVTP ALNDTLYLHF KGFDRIENLE EYTGLRCLWL ECNGIQRIEN LQAQSELRCL FLQVNLLHKI ENLEPLQKLD ALNLSNNYIK TIENLSCLPV LNTLQMAHNR LETVADIEHL RECLQLCVLD LSHNSLSDPE ILSVLETMPC LRVLNLMGNP VTKHIPNYRR TVTVRLKHLT YLDDRPVFPK DRACAEAWAR GGYAAEKEER HQWESREHKK ITDSLEALAM IKRRAEERKK ARDRGETPLP ESEKSIPTSP EAQEKPPKGE TQQKMESFVK ESFEAKDELF PEKPGEGEEL SVVVGNRAVE DADLSGNLAH TQTPVVVTPE EVTSPVEATD GARTEDTEAI ALETKEKLFI DDLPDLEDVD GTDVSVEDQT KDTGIRKIQA ISSLSDDSDL ELEELPLSVF EGTPISPTGA LSHIFAVSKD PSEAARVPFA DICMPTATTD LETQSQDPST ASSHPLIQEL GEDELTEGES NQPLPPQSCA SDPTLAQSSE GGDSQLPAAT PLGDGAENEA QSSLYPEEPS TRIGLEDIEF GLD
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	69,956 Da
Sequence Positions	1-633, 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 Q6AYH9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Dnaaf1 recombinant protein	MBS1318965 is a recombinant protein targeting Dnaaf1. Also known as Recombinant Rat Dynein assembly factor 1, axonemal (Dnaaf1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Dnaaf1 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 Dnaaf1. It may not necessarily be applicable to this product.

NCBI GI #	62079043
NCBI GeneID	361419

NCBI Accession #	NP_001014176.1
UniProt Primary Accession #	Q6AYH9
UniProt Related Accession #	Q6AYH9
GenBank Nucleotide #	NM_001014154.1
NCBI Official Full Name	dynein assembly factor 1, axonemal
NCBI Official Synonym Full Names	dynein, axonemal, assembly factor 1
NCBI Official Symbol	Dnaaf1
NCBI Official Synonym Symbols	Lrrc50; RGD1310542
UniProt Protein Name	Dynein assembly factor 1, axonemal
UniProt Synonym Protein Names	Leucine-rich repeat-containing protein 50
Protein Family	Dynein assembly factor
UniProt Gene Name	Dnaaf1
UniProt Synonym Gene Names	Lrrc50
NCBI Protein Information	dynein assembly factor 1, axonemal
UniProt Comments for Dnaaf1	Cilium-specific protein required for the stability of the ciliary architecture. Plays a role in cytoplasmic preassembly of dynein arms (). Involved in regulation of microtubule-based cilia and actin-based brush border microvilli ().
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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