Dynein Heavy Chain 14, Axonemal (DNAH14) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dynein heavy chain 14, axonemal (DNAH14), Recombinant Protein
Full Product Name	Recombinant Human Dynein heavy chain 14, axonemal (DNAH14) , partial
Product Gene Name	DNAH14 recombinant protein
Product Synonym Gene Name	DNAH14
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	518,565 Da
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	603341
3D Structure	ModBase 3D Structure for Q0VDD8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DNAH14 recombinant protein	MBS1458743 is a recombinant protein targeting DNAH14. Also known as Recombinant Human Dynein heavy chain 14, axonemal (DNAH14) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DNAH14 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 DNAH14. It may not necessarily be applicable to this product.

NCBI GI #	223555933
NCBI GeneID	127602
NCBI Accession #	NP_001138626.1
UniProt Primary Accession #	Q0VDD8
UniProt Secondary Accession #	Q0VDD9; Q4VXC7; Q4VXG4; Q4VXG5; Q5VU33; Q5VU34; A6NG62; A6NNL2
UniProt Related Accession #	Q0VDD8
GenBank Nucleotide #	NM_001145154.2

NCBI Official Full Name	dynein heavy chain 14, axonemal isoform 2
NCBI Official Synonym Full Names	dynein axonemal heavy chain 14
NCBI Official Symbol	DNAH14
NCBI Official Synonym Symbols	HL18; HL-18; C1orf67; Dnahc14
UniProt Protein Name	Dynein heavy chain 14, axonemal
UniProt Synonym Protein Names	Axonemal beta dynein heavy chain 14; Ciliary dynein heavy chain 14
Protein Family	Dynein
UniProt Gene Name	DNAH14
UniProt Synonym Gene Names	C1orf67
NCBI Protein Information	dynein heavy chain 14, axonemal
NCBI Summary for DNAH14	Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. Two major classes of dyneins, axonemal and cytoplasmic, have been identified. DNAH14 is an axonemal dynein heavy chain (DHC) (Vaughan et al., 1996 [PubMed 8812413]).[supplied by OMIM, Mar 2008]
UniProt Comments for DNAH14	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. Involved in sperm motility; implicated in sperm flagellar assembly ().
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/dynein-heavy-chain-14-axonemal-dnah14/1458743