Myosin-4 (MYH4) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Myosin-4 (Myh4), Recombinant Protein
Full Product Name	Recombinant Rat Myosin-4 (Myh4) , partial
Product Gene Name	Myh4 recombinant protein
Product Synonym Gene Name	Myh4
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	222,880 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.
3D Structure	ModBase 3D Structure for Q29RW1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Myh4 recombinant protein	MBS1421500 is a recombinant protein targeting Myh4. Also known as Recombinant Rat Myosin-4 (Myh4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Myh4 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 Myh4. It may not necessarily be applicable to this product.

NCBI GI #	106879208
NCBI GeneID	360543
NCBI Accession #	NP_062198.1
UniProt Primary Accession #	Q29RW1
UniProt Related Accession #	Q29RW1
GenBank Nucleotide #	NM_019325.1
NCBI Official Full Name	myosin-4
NCBI Official Synonym Full Names	myosin heavy chain 4
NCBI Official Symbol	Myh4

UniProt Protein Name	Myosin-4
UniProt Synonym Protein Names	Myosin heavy chain 2b; MyHC-2b; Myosin heavy chain 4
Protein Family	Myosin
UniProt Gene Name	Myh4
UniProt Synonym Gene Names	MyHC-2b
NCBI Protein Information	myosin-4
NCBI Summary for Myh4	fast myosin isoform expressed in skeletal muscle [RGD, Jun 2006]
UniProt Comments for Myh4	Muscle contraction.
Research Articles on Myh4	**1.** Exercise training showed a myosin heavy chain shift from type IIb to IIa skeletal muscles.
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