MYOZ1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	MYOZ1, Recombinant Protein
Full Product Name	Recombinant Human MYOZ1 protein (His tag)
Product Gene Name	MYOZ1 recombinant protein
Product Synonym Names	Calsarcin-2; MYOZ1; Myozenin-1
Sequence	Met1-Leu29 9
Host	E coli
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	299
OMIM	605603
3D Structure	ModBase 3D Structure for Q9NP98
Species	Human
Tag	N-His & C-His
Endotoxin	<10EU/mg of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5mg/mL. Concentration is measured by UV-Vis.
Product Categories/Family for MYOZ1 recombinant protein	Proteins; Recombinant Proteins; Others; Cardiovascular; signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MYOZ1 recombinant protein	Myozenins may serve as intracellular binding proteins involved in linking Z-disk proteins such as alpha-actinin, gamma-filamin, TCAP/telethonin, LDB3/ZASP and localizing calcineurin signaling to the sarcomere. Plays an important role in the modulation of calcineurin signaling. May play a role in myofibrillogenesis.
Other Notes	Small volumes of MYOZ1 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.
Searchable Terms for MYOZ1 purchase	MBS2580669 is a recombinant protein targeting MYOZ1. Also known as Recombinant Human MYOZ1 protein (His tag). Host: E coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MYOZ1. It may not necessarily be applicable to this product.

NCBI GI #	74734300
NCBI GeneID	58529

NCBI Accession #	Q9NP98.1
UniProt Primary Accession #	Q9NP98
UniProt Secondary Accession #	Q9H1I7
UniProt Related Accession #	Q9NP98
NCBI Official Full Name	Myozenin-1
NCBI Official Synonym Full Names	myozenin 1
NCBI Official Symbol	MYOZ1
NCBI Official Synonym Symbols	CS-2; FATZ; MYOZ
UniProt Protein Name	Myozenin-1
UniProt Synonym Protein Names	Calsarcin-2; Filamin-, actinin- and telethonin-binding protein; Protein FATZ
Protein Family	Myozenin
UniProt Gene Name	MYOZ1
UniProt Entry Name	MYOZ1_HUMAN
NCBI Protein Information	myozenin-1; MYOZ1; calsarcin-2; filamin-, actinin- and telethonin-binding protein
NCBI Summary for MYOZ1	The protein encoded by this gene is primarily expressed in the skeletal muscle, and belongs to the myozenin family. Members of this family function as calcineurin-interacting proteins that help tether calcineurin to the sarcomere of cardiac and skeletal muscle. They play an important role in modulation of calcineurin signaling. [provided by RefSeq, Apr 2012]
UniProt Comments for MYOZ1	MYOZ1: Myozenins may serve as intracellular binding proteins involved in linking Z-disk proteins such as alpha-actinin, gamma- filamin, TCAP/telethonin, LDB3/ZASP and localizing calcineurin signaling to the sarcomere. Plays an important role in the modulation of calcineurin signaling. May play a role in myofibrillogenesis. Belongs to the myozenin family. Chromosomal Location of Human Ortholog: 10q22.1 Cellular Component: pseudopodium; nucleus; actin cytoskeleton Molecular Function: protein binding; FATZ binding Biological Process: myofibril assembly
Research Articles on MYOZ1	**1.** Our results implicate MYOZ1 as the causative gene at the chromosome 10q22 locus for AF.
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/myoz1/2580669