Alpha-1-Syntrophin (SNTA1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alpha-1-syntrophin (Snta1), Recombinant Protein
Full Product Name	Recombinant Mouse Alpha-1-syntrophin (Snta1)
Product Gene Name	Snta1 recombinant protein
Product Synonym Gene Name	Snta1
Sequence	MASGRRAPRT GLLELRCGAG SGAGGERWQR VLLSLAEDAL TVSPADGEPG PEPEPAQLNG AAEPGAAPPQ LPEALLLQRR RVTVRKADAG GLGISIKGGR ENKMPILISK IFKGLAADQT EALFVGDAIL SVNGEDLSSA THDEAVQALK KTGKEVVLEV KYMKEVSPYF KNSAGGTSVG WDSPPASPLQ RQPSSPGPQP RNLSEAKHVS LKMAYVSRRC TPTDPEPRYL EICAADGQDA VFLRAKDEAS ARSWAGAIQA QIGTFIPWVK DELQALLTAT GTAGSQDIKQ IGWLTEQLPS GGTAPTLALL TEKELLFYCS LPQSREALSR PTRTAPLIAT SSAHRLVHSG PSKGSVPYDA ELSFALRTGT RHGVDTHLFS VESPQELAAW TRQLVDGCHR AAEGIQEVST ACTWNGRPCS LSVHIDKGFT LWAAEPGAAR AMLLRQPFEK LQMSSDDGTS LLFLDFGGAE GEIQLDLHSC PKTMVFIIHS FLSAKVTRLG LLA
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	53,665 Da
Sequence Positions	1-503, 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 Q61234
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Snta1 recombinant protein	Dystrophin is a large, rod-like cytoskeletal protein found at the inner surface of muscle fibers. Dystrophin is missing in Duchenne Muscular Dystrophy patients and is present in reduced amounts in Becker Muscular Dystrophy patients. This protein is a peripheral membrane protein found associated with dystrophin and dystrophin-related proteins. This gene is a member of the syntrophin gene family, which contains at least two other structurally-related genes.
Other Notes	Small volumes of Snta1 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 Snta1 purchase	MBS1386665 is a recombinant protein targeting Snta1. Also known as Recombinant Mouse Alpha-1-syntrophin (Snta1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Snta1. It may not necessarily be applicable to this product.

NCBI GI #	23822162
NCBI GeneID	20648
NCBI Accession #	Q61234.1
UniProt Primary Accession #	Q61234
UniProt Secondary Accession #	Q8VEF3
UniProt Related Accession #	Q61234
NCBI Official Full Name	Alpha-1-syntrophin
NCBI Official Synonym Full Names	syntrophin, acidic 1
NCBI Official Symbol	Snta1
NCBI Official Synonym Symbols	Snt1; AW228934
UniProt Protein Name	Alpha-1-syntrophin
UniProt Synonym Protein Names	59 kDa dystrophin-associated protein A1 acidic component 1; Syntrophin-1
Protein Family	Alpha-1-syntrophin
UniProt Gene Name	Snta1
UniProt Synonym Gene Names	Snt1
NCBI Protein Information	alpha-1-syntrophin
UniProt Comments for Snta1	Adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. May link various receptors to the actin cytoskeleton and the extracellular matrix via the dystrophin glycoprotein complex. Plays an important role in synapse formation and in the organization of UTRN and acetylcholine receptors at the neuromuscular synapse. Binds to phosphatidylinositol 4,5-bisphosphate.
Research Articles on Snta1	**1.** Data indicate that alpha-syntrophin plays an important role in the regulation of oxidative stress from endogenously generated reactive oxygen species (ROS) during myoblast differentiation by modulating the protein stability of catalase.
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/alpha-1-syntrophin-snta1/1386665