Alpha-N-Acetylgalactosaminidase (NAGA) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alpha-N-acetylgalactosaminidase (Naga), Recombinant Protein
Full Product Name	Recombinant Mouse Alpha-N-acetylgalactosaminidase (Naga)
Product Gene Name	Naga recombinant protein
Product Synonym Gene Name	Naga
Sequence	LENGLLRTPP MGWLAWERFR CNIDCVEDPK NCISERLFME MADRLAQDGW RDLGYVYLNI DDCWIGGRDA SGRLIPDPKR FPHGIAFLAD YAHSLGLKLG IYEDMGKMTC MGYPGTTLDK VELDAETFAE WKVDMLKLDG CFSSSRERAE GYPKMAAALN ATGRPIAFSC SWPAYEGGLP PKVNYTEVSR VCNLWRNYKD IQDSWKSVLS ILDWFVRHQD VLQPVAGPGH WNDPDMLLIG NFGLSFDESR AQMALWTVLA APLLMSTDLR TISPQNMDIL QNPLMIKINQ DPLGIQGRRI LKSKSHIEVF KRYLSNQASA LVFFSRRTDM PFRFHCSLLE LNYPKGRVYE GQNVFTGDIF SGLQTEVNFT VIINPSGVVM WYLYPIKDLG ISTMMSHW
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	47,235 Da
Sequence Positions	18-415, 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 Q9QWR8
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Naga recombinant protein	NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminyl moieties from glycoconjugates. Mutations in NAGA have been identified as the cause of Schindler disease types I and II (type II also known as Kanzaki disease).
Other Notes	Small volumes of Naga 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 Naga purchase	MBS1420390 is a recombinant protein targeting Naga. Also known as Recombinant Mouse Alpha-N-acetylgalactosaminidase (Naga). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	168693635
NCBI GeneID	17939

NCBI Accession #	NP_032695.3
UniProt Primary Accession #	Q9QWR8
UniProt Secondary Accession #	O88620; Q8R437; Q8VDK2
UniProt Related Accession #	Q9QWR8
GenBank Nucleotide #	NM_008669.4
NCBI Official Full Name	alpha-N-acetylgalactosaminidase isoform 1
NCBI Official Synonym Full Names	N-acetyl galactosaminidase, alpha
NCBI Official Symbol	Naga
UniProt Protein Name	Alpha-N-acetylgalactosaminidase
UniProt Synonym Protein Names	Alpha-galactosidase B
Protein Family	Alpha-N-acetylgalactosaminidase
UniProt Gene Name	Naga
NCBI Protein Information	alpha-N-acetylgalactosaminidase
UniProt Comments for Naga	Removes terminal alpha-N-acetylgalactosamine residues from glycolipids and glycopeptides. Required for the breakdown of glycolipids ().
Research Articles on Naga	**1.** Use of a modified Naga in the development of enzyme replacement therapy for Fabry disease is reported.
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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