NAGLU Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	NAGLU, Blocking Peptide
Full Product Name	NAGLU Peptide - N-terminal region
Product Gene Name	NAGLU blocking peptide
Product Synonym Gene Name	NAGLU; UFHSD1;
Sequence	Synthetic peptide located within the following region: GVLLLAGAGG AAGDEAREAA AVRALVARLL GPGPAADFSV SVERALAAKP
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	NAGLU peptide (MBS3238934) is used for blocking the activity of NAGLU antibody (MBS3213996)
Molecular Weight	81kDa
OMIM	252920
Product Categories/Family for NAGLU blocking peptide	Peptide
Related Product Information for NAGLU blocking peptide	This gene encodes an enzyme that degrades heparan sulfate by hydrolysis of terminal N-acetyl-D-glucosamine residues in N-acetyl-alpha-D-glucosaminides. Defects in this gene are the cause of mucopolysaccharidosis type IIIB (MPS-IIIB), also known as Sanfilippo syndrome B. This disease is characterized by the lysosomal accumulation and urinary excretion of heparan sulfate.
Other Notes	Small volumes of NAGLU blocking peptide 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 NAGLU purchase	MBS3238934 is a blocking peptide targeting NAGLU. Also known as NAGLU Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	66346698
NCBI GeneID	4669
NCBI Accession #	NP_000254
UniProt Primary Accession #	P54802
UniProt Related Accession #	P54802
GenBank Nucleotide #	NM_000263.4
NCBI Official Full Name	alpha-N-acetylglucosaminidase
NCBI Official Synonym Full Names	N-acetyl-alpha-glucosaminidase
NCBI Official Symbol	NAGLU

NCBI Official Synonym Symbols	NAG; CMT2V; MPS3B; UFHSD; MPS-IIIB
UniProt Protein Name	Alpha-N-acetylglucosaminidase
UniProt Synonym Protein Names	N-acetyl-alpha-glucosaminidase; NAG
Protein Family	Alpha-N-acetylglucosaminidase
UniProt Gene Name	NAGLU
UniProt Synonym Gene Names	UFHSD1; NAG
UniProt Entry Name	ANAG_HUMAN
NCBI Protein Information	alpha-N-acetylglucosaminidase
Research Articles on NAGLU	**1.** findings show that the NAGLU protein consists of a precursor and a mature form and that in slowly progressing mucopolysaccharidosis type IIIB patients' fibroblasts only the precursor protein is present at 37 degrees ; culturing at lower temperatures resulted in the formation of the mature, enzymatically active form, due to higher mRNA levels and improved processing
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