

Recombinant Human NAGLU

Cat. No. NAGLU-27921TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NAGLU with N-terminal proprietary tag.Mol Wt 36.52 kda inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	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.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Liver, ovary, peripheral blood leukocytes, testis, prostate, spleen, colon, lung, placenta and kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	YQLTLWGPEGNILDYANKQLAGLVANYYTPRWRLFLEALVDSVAQGIPFQQHQFDK NVFQLEQAFVLSKQRYPSQPRGDTVDLAKKIFLKYYPGWVAGS
GENE INFORMATION	
Gene Name	NAGLU N-acetylglucosaminidase, alpha [Homo sapiens]
Official Symbol	NAGLU
Synonyms	NAGLU; N-acetylglucosaminidase, alpha; alpha-N-acetylglucosaminidase; NAG; Sanfilippo disease IIIB;
Gene ID	4669
mRNA Refseq	NM_000263
Protein Refseq	NP_000254
MIM	609701
Uniprot ID	P54802
Chromosome Location	17q21.2
Pathway	Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Heparan sulfate degradation, organism-specific biosystem; Heparan sulfate degradation, conserved biosystem; Lysosome, organism-

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specific biosystem;

Function

alpha-N-acetylglucosaminidase activity; hydrolase activity, acting on glycosyl bonds;

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