



Human NAGLU peptide (DAG-P0945)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Liver, ovary, peripheral blood leukocytes, testis, prostate, spleen, colon, lung, placenta and kidney.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NAGLU N-acetylglucosaminidase, alpha [Homo sapiens (human)]
Official Symbol	NAGLU
Synonyms	NAGLU; N-acetylglucosaminidase, alpha; NAG; MPS3B; UFHSD; MPS-IIIB; alpha-N-acetylglucosaminidase; N-acetyl-alpha-glucosaminidase;
Entrez Gene ID	4669

mRNA Refseq	NM_000263.3
Protein Refseq	NP_000254.2
UniProt ID	P54802
Chromosome Location	17q21
Pathway	Disease, organism-specific biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; HS-GAG degradation, organism-specific biosystem; Heparan sulfate degradation, organism-specific biosystem; Heparan sulfate degradation, conserved biosystem; Heparan sulfate/heparin (HS-GAG) metabolism, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved b
Function	alpha-N-acetylglucosaminidase activity;