

Recombinant Human NAGLU protein, His & T7-tagged

Cat. No. NAGLU-7905H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NAGLU aa. (Val485~Trp743 (Accession # P54802)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val485~Trp743
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.8.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.
GENE INFORMATION	
Gene Name	NAGLU N-acetyl-alpha-glucosaminidase [Homo sapiens (human)]
Official Symbol	NAGLU
Synonyms	NAGLU; N-acetyl-alpha-glucosaminidase; NAG; CMT2V; MPS3B; UFHSD; MPS-IIIB; alpha-N-acetylglucosaminidase; N-acetylglucosaminidase, alpha; testicular tissue protein Li 18
Gene ID	4669
mRNA Refseq	NM_000263.3

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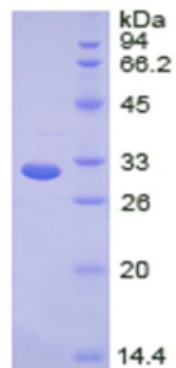
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Protein Refseq NP_000254.2

UniProt ID P54802

SDS-PAGE

Human NAGLU



15% SDS-PAGE

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