

Recombinant Full Length Human GNS Protein, GST-tagged

Cat. No. GNS-5414HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNS full-length ORF (NP_002067.1, 1 a.a. - 552 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	552 amino acids
Description	The product of this gene is a lysosomal enzyme found in all cells. It is involved in the catabolism of heparin, heparan sulphate, and keratan sulphate. Deficiency of this enzyme results in the accumulation of undegraded substrate and the lysosomal storage disorder mucopolysaccharidosis type IIID (Sanfilippo D syndrome). Mucopolysaccharidosis type IIID is the least common of the four subtypes of Sanfilippo syndrome. [provided by RefSeq
Molecular Mass	88.5 kDa
AA Sequence	MRLLPLAPGRLRRGSPRHLPSCSPALLLLVLGGCLGVFGVAAGTRRPNNVLLLTDD QDEVLGGMTPCLKTKALIGEMGMTFSSAYVPSALCCPSRASILTGKYPHNHHVVNN TLEGNCSSKSWQKIQEPNTFPAILRSMCGYQTFFAGKYLNEYGAPDAGGLEHVPLG WSYWYALEKNSKYNYTLSSINGKARKHGENYSVDYLTDLANVSLDFLDYKSNFEP FFMMIATPAPHSPWTAAPQYQKAFQNVFAPRNKNFNIHGTNKHHLIRQAKTPMTNS SIQFLDNAFRKRWQTLLSVDDLVEKLVKRLEFTGELNNTYIFYTSDNGYHTGQFSLPI DKRQLYEFDIKVPLLVRGPGIKPNQTSKMLVANIDLGPITLDIAGYDLNKTQMDGMSL

 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

LPILRGASNLTWRSDVLVEYQGEGRNVTDPCTPSLSPGVSQCFCDCVCEDAYNNTY
ACVRTMSALWNLQYCEFDQEVFVEVYNLTADPDQITNIAKTIDPELLGKMNYRLMM
LQSCSGPTCRTPGVFDPGYRFDPRLMFSNRGSVRTRRFSKHL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GNS glucosamine (N-acetyl)-6-sulfatase [Homo sapiens]

Official Symbol

GNS

Synonyms

GNS; glucosamine (N-acetyl)-6-sulfatase; N-acetylglucosamine-6-sulfatase; N acetylglucosamine 6 sulfatase; Sanfilippo disease IIID; glucosamine-6-sulfatase; G6S; MGC21274;

Gene ID

2799

mRNA Refseq

NM_002076

Protein Refseq

NP_002067

 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



MIM	607664
-----	--------

UniProt ID	P15586
------------	--------

 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