

Recombinant Human SGSH Protein, His/GST-tagged

SGSH-695H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant Human SGSH(Arg21~Asn389) fused with His/GST tag at N-terminal was expressed in E. coli.
Description	This gene encodes the enzyme sulfamidase; one of several enzymes involved in the lysosomal degradation of heparan sulfate. Mutations in this gene are associated with the lysosomal storage disease mucopolysaccharidosis IIIA, also known as Sanfilippo syndrome A, which results from impaired degradation of heparan sulfate. Transcripts of varying sizes have been reported but their biological validity has not been determined.
Source	E. coli
Species	Human
Tag	His/GST
Form	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	71.1kDa
Protein length	Arg21~Asn389
Endotoxin	<1.0EU per 1µg (determined by the LAL method)
Purity	>90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Gene Information	
Gene Name	SGSH N-sulfoglucosamine sulfohydrolase [Homo sapiens]
Official Symbol	SGSH

For Research Use Only

Creative BioMart. All rights reserved

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

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: info@creative-biomart.com

www.creativebiomart.net

Synonyms SGSH; N-sulfoglucosamine sulfohydrolase; N-sulphoglucosamine sulphohydrolase; HSS; MPS3A; mucopolysaccharidosis type IIIA; SFMD; sulfamidase; sulphamidase; heparan sulfate sulfatase; sulfoglucosamine sulfamidase;

Gene ID [6448](#)

mRNA Refseq [NM_000199](#)

Protein Refseq [NP_000190](#)

MIM [605270](#)

UniProt ID [P51688](#)

For Research Use Only

[Creative BioMart](#). All rights reserved

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

Tel: +1-631-559-9269 Fax: +1-631-938-8127

E-mail: info@creative-biomart.com

www.creativebiomart.net