

Recombinant Full Length Human SGSH Protein

Cat. No. SGSH-473HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SGSH with proprietary N terminal tag; Predicted MW 81.29 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	502 amino acids
Description	This gene encodes one of several enzymes involved in the lysosomal degradation of heparan sulfate. Mutations in this gene are associated with Sanfilippo syndrome A, one type of the lysosomal storage disease mucopolysaccharidosis III, which results from impaired degradation of heparan sulfate. Transcripts of varying sizes have been reported but their biological validity has not been determined.
Form	Liquid
Molecular Mass	81.290kDa inclusive of tags
AA Sequence	MSCPVPACCALLLVGLCRARPRNALLLLADDGGFESGAY NNSAIATPHLDALARR SLLFRNAFTSVSSCSPSRASLLTG LPQHQNGLMYGLHQDVHHFNSFDKVRSLPLLLS QAGVRTGI IGKKHVGPEVYPFDFAYTEENGSVLQVGRNITRIKLLVR KFLQTQDDR PFFLYVAFHDPHRCGHSQPQYGTFCFKFGNG ESGMGRIPDWTPQAYDPLDVLVPY FVPNTPAARADLAAQY TTVGRMDQGVGLVLQELRDAGVLNDTLVIFTSDNGIPFPS GRTNLYWPGTAEPLLVSSEHPKRWGQVSEAYVSLDLTP TILDWFSIPYPSYAIFG

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SKTIHLTGRSLLPALEAEPLWAT VFGSQSHHEVTMSYPMRSVQHRHFRLVHNLNFK
MPFPIDQ DFYVSPTFQDLLNRRTTAGQPTGWYKDLRHYYRARWELYD RSRDPHE
TQNLATDPRFAQLLEMLRDQLAKWQWETHDPWV CAPDGVLEEKLSPQCQPLHNE
L

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name SGSH N-sulfoglucosamine sulfohydrolase [Homo sapiens]

Official Symbol SGSH

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

Gene ID 6448

mRNA Refseq NM_000199

Protein Refseq NP_000190

MIM 605270

UniProt ID P51688

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