

Recombinant Human SGSH, MYC/DDK-tagged

Cat. No. SGSH-279H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SGSH fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
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.
Molecular Mass	54.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storagebuffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Concentration	>50 ug/mL as determined by microplate BCA method
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from

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receipt of products under proper storage and handling conditions.

OfficialSymbol SGSH

GENE INFORMATION

Gene Name [SGSH N-sulfoglucosamine sulfohydrolase \[Homo sapiens \]](#)

Synonyms SGSH; N-sulfoglucosamine sulfohydrolase; HSS; MPS3A; mucopolysaccharidosis type IIIA; SFMD; sulfamidase; heparan sulfate sulfatase; sulfoglucosamine sulfamidase; N-sulphoglucosamine sulphohydrolase; EC 3.10.1.1; Sulfoglucosamine sulfamidase; Sulphamidase

Gene ID [6448](#)

mRNA Refseq [NM_000199](#)

Protein Refseq [NP_000190](#)

MIM [605270](#)

UniProt ID [P51688](#)

Chromosome Location 17q25.3

Pathway Glycosaminoglycan degradation; Heparan sulfate degradation; Lysosome; MPS I - Hurler syndrome

Function N-sulfoglucosamine sulfohydrolase activity; catalytic activity; metal ion binding; sulfuric ester hydrolase activity

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