

## Recombinant Human SGSH protein, GST-tagged

Cat. No. SGSH-301590H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SGSH (152-502 aa) protein, fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile152-Leu502
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
<b>AA Sequence</b>	ITRIKLLVRKFLQTQDDRPFFLYVAFHDPHRCGHSQPQYGTFCFKFGNGESGMGRIP DWTPQAYDPLDVLVPYFVPNTPAARADLAAQYTTVGRMDQGVGLVLQELRDAGVL NDTLVIFTSDNGIPFPSGRNTNLYWPGTAEPLLVSSPEHPKRWGQVSEAYVSLDLTP TILDWFSIPYPSYAIFGSKTIHLTGRSLLPALEAEPLWATVFGSQSHHEVTMSYPMRS VQHRHFRLVHNLNFKMPFPIDQDFYVSPTFQDLLNRRTTAGQPTGWYKDLRHYYRA RWELYDRSRDPHETQNLATDPRFAQLLEMLRDQLAKWQWETHDPWVCAPDGVLE EKLSPQCQPLHNEL
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Stability</b>	Store for up to 12 months at -20°C to -80°C as lyophilized powder.

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**Storage**

Short-term storage: Store at 2-8°C for (1-2 weeks).

Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

## 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; sulphamidase; heparan sulfate sulfatase; sulfoglucosamine sulfamidase;

**Gene ID** [6448](#)

**mRNA Refseq** [NM\\_000199](#)

**Protein Refseq** [NP\\_000190](#)

**MIM** [605270](#)

**UniProt ID** [P51688](#)

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