

Recombinant Human SGSH protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SGSH (152-502 aa) protein, fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile152-Leu502
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	ITRIKLLVRKFLQTQDDRPFFLYVAFHDPHRCGHSQPQYGTFCFKNGESGMGRIP DWTPQAYDPLDVLVPYFVPNTPAARADLAAQYTTVGRMDQGVGLVLQELRDAGVL NDTLVIFTSDNGIPFPSGRNTNLYWPGTAEPLLVSSPEHPKRWGQVSEAYVSLDLTP TILDWFSIPYPSYAIFGSKTIHLTGRSLLPALEAEPLWATVFGSQSHHEVTMSYPMRS VQHRHFRLVHNLNFKMPFPIDQDFYVSPTFQDLLNRTTAGQPTGWYKDLRHYYRA RWELYDRSRDPHETQNLATDPRFAQLLEMLRDQLAKWQWETHDPWVCAPDGVLE EKLSPQCQPLHNEL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	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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