

## Product datasheet for **TP308270**

### SGSH (NM\_000199) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-sulfoglucosamine sulfohydrolase (SGSH), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208270 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSCPVPACCALLLVGLCRARPRNALLLADDGGFESGAYNNSAIATPHLDALARRSLLFRNAFTSVSSC SPSRASLLTGLPQHONGMYGLHQDVHFNFSFDKVRSLPLLLSQAGVRTGIIGKKHVGPEVYVDFAYTE ENGSVLQVGRNITRIKLLVRKFLQTQDDRPFFLYVAFHDPHRCGHSQPQYGTFCFKFNGESGMGRIPDW TPQAYDPLDVLVPYFVPNTPAARADLAAQYTTVGRMDQGVGLVLQELRDAGVLNDTLVIFTSNDGIPFPS GRTNLYWPGTAEPLLVSSPEHPKRWGQVSEAYVSLDLTPTILDWFSIPYPSYAIFGSKTIHLTGRSLLP ALEAEPLWATVFGSQSHHEVTMSYPMRSVQHRHFRLVHNLNFKMPFPIDQDFYVSPTFQDLLNRTTAGQP TGWYKDLRHYYRARWELYDRSRDPHETQNLATDPRFAQLLEMLLRDQLAKWQWETHDPWVCAPDGVLEEK LSPQCQLHNEL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	54.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000190](#)

Locus ID: 6448

UniProt ID: [P51688](#)

RefSeq Size: 2770

Cytogenetics: 17q25.3

RefSeq ORF: 1506

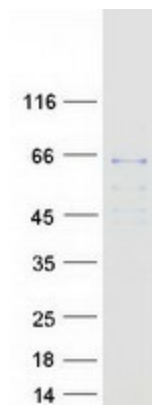
Synonyms: HSS; MPS3A; SFMD

**Summary:** 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. [provided by RefSeq, Jun 2017]

**Protein Families:** Druggable Genome

**Protein Pathways:** Glycosaminoglycan degradation, Lysosome, Metabolic pathways

### Product images:



Coomassie blue staining of purified SGSH protein (Cat# TP308270). The protein was produced from HEK293T cells transfected with SGSH cDNA clone (Cat# [RC208270]) using MegaTran 2.0 (Cat# [TT210002]).