

Datasheet for ABIN1691380
SGSH Protein (AA 21-502) (His tag)



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SGSH
Protein Characteristics:	AA 21-502
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGSH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human N-Sulphoglucosamine Sulphohydrolase/SGSH (C-6His)
Sequence:	RPRNALLLLA DDGGFESGAY NNSAIATPHL DALARRSLLF RNAFTSVSSC SPSRASLLTG LPQHQNMGMYG LHQDVHHFNS FDKVRSPLLL LSQAGVRTGI IGKKHVGPEY VYPDFAYTE ENGSVLQVGR NITRIKLLVR KFLQTQDDRP FFLYVAFHDP HRCGHSQPQY GTFCEKFGNG ESGMGRIPDW TPQAYDPLDV LVPYFVPNTP AARADLAAQY TTVGRMDQGV GLVLQELRDA GVLNDTLVIF TSDNGIPFPS GRTNLYWPGT AEPLLVSSE HPKRWGQVSE AYVSLLDLTP TILDWFSIPY PSYAIFGSKT IHLTGRSLLP ALEAEPLWAT VFGSQSHHEV TMSYPMRSVQ HRHFRLVHNL NFKMPFPIDQ DFYVSPTFQD LLNRRTAGQP TGWYKDLRHY YYRARWELYD RSRDPHETQN LATDPRFAQL LEMLRDQLAK WQWETHDPWV CAPDGVLEEK LSPQCQLHN ELVDHHHHHH
Characteristics:	Recombinant Human N-Sulphoglucosamine Sulphohydrolase/SGSH is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Arg21-Leu502) of Human SGSH fused with a 6His tag at the C-terminus.

Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SGSH
Abstract:	SGSH Products
Sub Type:	Fusionprotein
Background:	<p>N-Sulphoglucosamine Sulphohydrolase (SGSH) is an important member of the sulfatase family which is involved in the degradation of heparin sulfate. SGSH binds one calcium ion per subunit as a cofactor. SGSH catalyzes N-sulfo-D-glucosamine and H₂O to D-glucosamine and sulfate. SGSH deficiency is result in mucopolysaccharidosis type 3A (MPS3A), a recessive lysosomal storage disease characterized by neurological dysfunction but relatively mild somatic manifestations.</p> <p>Alternative Names: N-Sulphoglucosamine Sulphohydrolase, Sulfoglucosamine Sulfamidase, Sulphamidase, SGSH, HSS</p>
Molecular Weight:	55.72 kDa
UniProt:	P51688
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM GaCl ₂ , 10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months