Datasheet for ABIN7318838
SGSH Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human SGSH Protein (His Tag)
Sequence:	Arg21-Leu502
Characteristics:	Recombinant Human N-Sulphoglucosamine Sulphohydrolase is produced by our Mammalian expression system and the target gene encoding Arg21-Leu502 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μg as determined by the LAL method.

Target Details

Target:	SGSH
Alternative Name:	SGSH (SGSH Products)
Background:	Background: N-Sulphoglucosamine Sulphohydrolase (SGSH) is an important member of the sulfatase family which is involved in the degradation of heparin sulfate. SGSH binds one

Target Details

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.

Synonym: N-Sulphoglucosamine Sulphohydrolase, Sulfoglucosamine Sulfamidase, Sulphamidase, SGSH, HSS

Molecular Weight:	55.7 kDa
UniProt:	P51688
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mM NaCl,1 mM GaCl2,10 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.