

Recombinant Human SGSH

Catalog No: CA15

Description	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.
Source	Human Cells
Alternative name	N-Sulphoglucosamine Sulphohydrolase; Sulfoglucosamine Sulfamidase; Sulphamidase; SGSH; HSS
Accession No.	P51688
Formulation	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM GaCl ₂ , 10%Glycerol, pH7.5.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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 calcium ion per subunit as a cofactor. SGSH catalyzes N-sulfo-D-glucosamine and H ₂ O 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.

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