

## Recombinant Human SGSH

Catalog No: CA15

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<b>Description</b>	Recombinant Human N-Sulphoglcosamine 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.
<b>Source</b>	Human Cells
<b>Alternative name</b>	N-Sulphoglcosamine Sulphohydrolase; Sulfoglcosamine Sulfamidase; Sulphamidase; SGSH; HSS
<b>Accession No.</b>	P51688
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 1mM GaCl2, 10%Glycerol, pH7.5.
<b>Quality Control</b>	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.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Background</b>	N-Sulphoglcosamine 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.

### SDS-Page

