Recombinant Human SGSH Protein (His Tag)

Catalog Number:PKSH032823

Note: Centrifuge before opening to ensure complete recovery of vial contents.

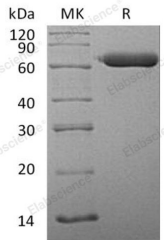
Description

Synonyms	N-Sulphoglucosamine Sulphohydrolase;Sulfoglucosamine Sulfamidase;Sulphamidase;SGSH;HSS
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg21-Leu502
Accession	P51688
Calculated Molecular Weight	55.7 kDa
Observed molecular weight	63 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM $CaCl_2$, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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