

32-7747: Recombinant Human N-Sulphoglucosamine Sulphohydrolase/SGSH (C-6His)

Gene : SGSH
Gene ID : 6448
Uniprot ID : P51688

Description

Source: Human Cells.
MW :55.72kD.

Recombinant Human Sulfamidase is produced by our Mammalian expression system and the target gene encoding Arg21-Leu502 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mM GaCl₂,10%Glycerol,pH7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : RPRNALLLLADDGGFESGAYNNSAIATPHLDALARRSLLFRNAFTSVSSCSPSRASLLTGLPQHONGMYGLHQ DVHHFNSFDKVRSLPLLLSQAGVRTGIIKKKHVGPETVYPFDFAYTEENGSVLQVGRNITRIKLLVRKFLQTQDD RPFFLYVAFHDPHRCGHSQPQYGTFCFKFNGESGMGRIPDWTPQAYDPLDVLVPYFVPNTPAARADLAAQYT TVGRMDQGVGLVLQELRDAGVLNNDTLVIFTSDNIGIPFSGRTNLYWPGTAEPLLVSSPEHPKRWGQVSEAYVS LLDLTPTILDWFSIPYPSYAIFGSKTIHLTGRSLLPALEAELWATVFGSQSHHEVTMSYPMRSVQHRHFRLVHNL NFKMPFPIDQDFYVSPTFQDLLNRTTAGQPTGWYKDLRHHYYRWRWELYDRSRDPHETQNLATDPRFAQLLEM LRDQLAKWQWETHDPWVCAPDGVLEEKLSQCQLHNELVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.