



Recombinant Human N-acetylgalactosamine-6-sulfatase (GALNS)

Product Code	CSB-EP009202HU-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P34059
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	APQPPNILLLLMDDMGWGD LGVYGEPSRETPNLDRMAAEGLLFPNFYSANPL CSPSRAALLTGRLPIRNGFYTTNAHARNAYTPQEIVGGIPDSEQLLPELLKKAG YVSKIVGKWHLGHRPQFHPLKHGFDEWFGSPNCHFGPYDNKARNIPVYRD WEMVGRYYEEFPINLKTGEANLTQIYLQEALDFIKRQARHHPFFLYWAVDATH APVYASKPFLGTSQRGRYGDAVREIDDSIGKILELLQDLHVADNTFVFFTS DNG AALISAPEQGGSNPFLCGKQTTFEGGMREPALAWWPGHV TAGQVSHQLGS IMDLFTTSLALAGLTPPSDRAIDGLNLLPTLLQGRLMDRPIFYR GDTLMAATLG QHKAHFWTWTNSWENFRQGIDFCPGQNVSGVTTHNLEDHTKLPLIFHLGRDP GERFPLSFASAEYQEALS RITSVVQQHQEALVPAQPQLNVCNWAVMNWAPP GCEKLGKCLTPPESIPKKCLWSH
Research Area	Signal Transduction
Source	E.coli
Target Names	GALNS
Protein Names	Recommended name: N-acetylgalactosamine-6-sulfatase EC=3.1.6.4 Alternative name(s): Chondroitinsulfatase Short name= Chondroitinase Galactose-6-sulfate sulfatase N-acetylgalactosamine-6-sulfate sulfatase Short name= G
Expression Region	27-522aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-sulfate. Sequence alterations including point, missense and nonsense mutations, as well as those that affect splicing, result in a deficiency of this enzyme. Deficiencies of this enzyme lead to Morquio A syndrome, a lysosomal storage disorder.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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