



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

<b>Product Code</b>	CSB-BP009202HU
<b>Storage</b>	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.
<b>Uniprot No.</b>	P34059
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	APQPPNILLLLMDDMGWGD LGVYGEPSRETPNLDRMAAEGLLFPNFYSANPL CSPSRAALLTGRLPIRNGFYTTNAHARNAYTPQEIVGGIPDSEQLLPELLKKAG YVSKIVGKWHLGHRPQFHPLKHGFDEWFGSPNCHFGPYDNKARNIPVYRD WEMVGRYYEEFPINLKTGEANLTQIYLQEALDFIKRQARHHPFFLYWAVDATH APVYASKPFLGTSQRGRYGDAVREIDDSIGKILELLQLLHVADNTFVFFTSNDG AALISAPEQGGSNPFLCGKQTTFEGGMREPALAWWPGHVTAGQVSHQLGS IMDLFTTSLALAGLTPPSDRAIDGLNLLPTLLQGRLMDRPIFYRGTLMATLG QHKAHFWTWTSWENFRQGIDFCPGQNVSGVTTHNLEDHTKLPLIFHLGRDP GERFPLSFASAEYQEALSRTSVVQQHQEALVPAQPQLNVCNWAVMNWAPP GCEKLGKCLTPPESIPKKCLWSH
<b>Research Area</b>	Signal Transduction
<b>Source</b>	Baculovirus
<b>Target Names</b>	GALNS
<b>Protein Names</b>	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
<b>Expression Region</b>	27-522aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.



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**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.

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