

Recombinant Full Length Human GALNS Protein, GST-tagged

Cat. No. GALNS-177HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length GALNS (1 a.a. - 522 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
Protein Length	1 a.a. - 522 a.a.
Description	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydro lase 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.
Molecular Mass	84.4 kDa
AA Sequence	MAAVVAATRW WQLLLVLSAA GMGASGAPQP PNILLLLMDD MGWGD LGVYG EPSRETPNLD RMAAEGLLFP NFYSANPLCS PSRAALLTGR LPIRNGFYTT NAHARNAYTP QEIVGGIPDS EQLLPELLKK AGYVSKIVGK WHLGHRPQFH PLKHGFDEWF GSPNCHFGPY DNKARPNI PV YRDWEMVGRY YEEFPINLKT GEANLTQIYL QEALDFIKRQ ARHHPFFLYW AVDATHAPVY ASKPFLGTSQ RGRYGDVRE IDDSIGKILE LLQDLHVADN TFVFFTS DNG AALISAPEQG GSNGPFLCGK QTTFEGGMRE PALAWWPGHV TAGQVSHQLG SIMDLFTTSL ALAGLTPPSD RAIDGLNLLP TLLQGRLMDR PIFYYRGDTL MAATLGQHKA

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HFWTWTNSWE NFRQGIDFCP GQNVSGVTTH NLEDHTKLPL IFHLGRDPGE
RFPLSFASAE YQEALSRITS VVQQHQEALV PAQPQLNVCN WAVMNWAPPG
CEKLGKCLTP PESIPKKCLW SH

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GALNS galactosamine \(N-acetyl\)-6-sulfate sulfatase \[Homo sapiens \(human\) \]](#)

Official Symbol [GALNS](#)

Synonyms GALNS; GAS; MPS4A; GalN6S; GALNAC6S; galactosamine (N-acetyl)-6-sulfate sulfatase; N-acetylgalactosamine-6-sulfatase; chondroitinase; galNAc6S sulfatase; chondroitinsulfatase; galactose-6-sulfate sulfatase; N-acetylgalactosamine-6-sulfate sulfatase; NP_000503.1; EC 3.1.6.4

Gene ID [2588](#)

mRNA Refseq [NM_000512](#)

Protein Refseq [NP_000503](#)

MIM [612222](#)

UniProt ID [P34059](#)

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