

Recombinant Human GALNS, MYC/DDK-tagged

Cat. No. GALNS-103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALNS fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
Description	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolyase 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	55.4 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	GALNS galactosamine (N-acetyl)-6-sulfate sulfatase [Homo sapiens (human)]
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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
Chromosome Location	16q24.3
Pathway	Chondroitin sulfate degradation; Keratan sulfate degradation; Lysosome
Function	N-acetylgalactosamine-4-sulfatase activity; N-acetylgalactosamine-6-sulfatase activity; metal ion binding