

Recombinant Human GALNS protein, His-tagged

Cat. No. GALNS-3412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALNS protein(174-522 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	174-522 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	ARPNIPVYRDWEMVGRYYEEFPINLKTGEANLTQIYLQEALDFIKRQARHHPFFLYW AVDATHAPVYASKPFLGTSQRGRYGDVREIDDSIGKILELLQDLHVADNTFVFFTS NGAALISAPEQGGSNPFLCGKQTTFEGGMREPALAWWPGHVTAGQVSHQLGSIM DLFTTSLALAGLTPPSDRAIDGLNLLPTLLQGRLMDRPIFYRGTLMATLGQHKAH FWTWTNSWENFRQGIDFCPGQNVSGVTTHNLEDHTKLPLIFHLGRDPGERFPLSFA SAEYQEALSRTSVVQQHQEALVPAQPQLNVCNWAVMNWAPPGCEKLGKCLTPPE SIPKKCLWSH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

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

Official Symbol GALNS

Synonyms

GALNS; galactosamine (N-acetyl)-6-sulfate sulfatase; N-acetylgalactosamine-6-sulfatase; GALNAC6S; GAS; Morquio syndrome; mucopolysaccharidosis type IVA; chondroitinase; galNAc6S sulfatase; chondroitinsulfatase; galactose-6-sulfate sulfatase; N-acetylgalactosamine-6-sulfate sulfatase; MPS4A; FLJ17434; FLJ42844; FLJ98217;

Gene ID 2588

mRNA Refseq NM_000512

Protein Refseq NP_000503

MIM 612222

UniProt ID P34059

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