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Product datasheet for PH308708

GALNS (NM_000512) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GALNS MS Standard C13 and N15-labeled recombinant protein (NP_000503)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208708
Predicted MW:	58 kDa
Protein Sequence:	>RC208708 protein sequence Red=Cloning site Green=Tags(s) MAAVVAATRWWQLLLVLSAAGMGASGAPQPPNILLLLMDDMGWGDLGVYGEPSRETPNLDRMAAEGLLFP NFYSANPLCSPSRAALLTGRLPIRNGFYTTNAHARNAYTPQEIVGGIPDSEQLLPELLKKAGYVSKIVGK WHLGHRPQFHPLKHGFDEWFGSPNCHFGPYDNKARPNIPVYRDWEMVGRYYEEFPINLKTGEANLTQIYL QEALDFIKRQARHHPFFLYWAVDATHAPVYASKPFLGTSQRGRYGDAVREIDDSIGKILELLQDLHVADN TFVFFTSDNGAALISAPEQGGSNGPFLCGKQTTFEGGMREPALAWWPGHVTAGQVSHQLGSIMDLFTTSL ALAGLTPPSDRAIDGLNLLPTLLQGRLMDRPIFYYRGDTLMAATLGQHKAHFWTWTNSWENFRQGIDFCP GQNVSGVTTHNLEDHTKLPLIFHLGRDPGERFPLSFASAEYQEALSRITSVVQQHQEALVPAQPQLNVCN WAVMNWAPPGCEKLGKCLTPPESIPKKCLWSH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000503
RefSeq Size:	2380
RefSeq ORF:	1566

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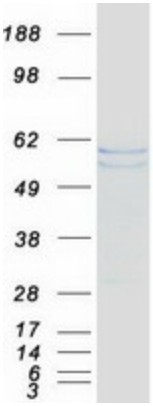
Synonyms:	GalN6S; GALNAC6S; GAS; MPS4A
Locus ID:	2588
UniProt ID:	P34059, Q96I49
Cytogenetics:	16q24.3
Summary:	This gene encodes N-acetylgalactosamine-6-sulfatase which is a lysosomal exohydrolase required for the degradation of the glycosaminoglycans, keratan sulfate, and chondroitin 6-sulfate. Sequence 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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Glycosaminoglycan degradation, Lysosome, Metabolic pathways

Product images:



Coomassie blue staining of purified GALNS protein (Cat# [TP308708]). The protein was produced from HEK293T cells transfected with GALNS cDNA clone (Cat# [RC208708]) using MegaTran 2.0 (Cat# [TT210002]).