

Product datasheet for PH314166

GALNT1 (NM_020474) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GALNT1 MS Standard C13 and N15-labeled recombinant protein (NP_065207)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214166
Predicted MW:	64 kDa
Protein Sequence:	>RC214166 representing NM_020474 Red=Cloning site Green=Tags(s)

MRKFAYCKVVLATSLIWVLLDMFLLLYFSECNKCKEKKERGLPAGDVLEPVQKPHEGPGEMGKPVVIPKE
DQEKMKEMFKINQFNLMASEMIALNRSLPDVRLEGCKTKVYPDNLPTTSVVIVFHNEAWSTLLRTVHSVI
NRSPRHMIEEIVLVDDASERDFLKRPLESYVKKLKVPHVIRMEQRSGLIRARLKGAAVSKGQVITFLDA
HCECTVGWLEPLLARIKHDRRTVVCPIIDVISDDTFEYMAGSDMTYGGFNWKLNFRWYPVPQREMDRRKG
DRTLPRTRPTMAGGLFSIDRDYFQEIGTYDAGMDIWGGENLEISFRIWQCGGTLEIVTCSHVGHVFRKAT
PYTFPGGTGQIINKNNRRLAEVWMDEFKNFFYIISPGVTKVDYGDISSRVGLRHKLQCKPFSWYLENIYP
DSQIPRHYFSLGEIRNVETNQCLDNMARKENKVGIFNCHGMGGNQVFSYTANKEIRTDLCLDVSKLNG
PVTMLKCHHLKGNQLWEYDPVKLTQHVNSNQCLDKATEEDSQVPSIRDCNGSRSQQWLLRNVTLP EIF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	<u>NP_065207</u>
RefSeq Size:	3778
RefSeq ORF:	1677



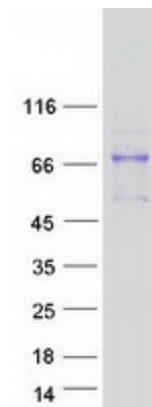
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Synonyms: GALNAC-T1
Locus ID: 2589
UniProt ID: [Q10472](#), [A0A024RC48](#), [Q05BM8](#)
Cytogenetics: 18q12.2

Summary: This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. Transcript variants derived from this gene that utilize alternative polyA signals have been described in the literature. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein, Transmembrane
Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

Product images:



Coomassie blue staining of purified GALNT1 protein (Cat# [TP314166]). The protein was produced from HEK293T cells transfected with GALNT1 cDNA clone (Cat# [RC214166]) using MegaTran 2.0 (Cat# [TT210002]).