

Product datasheet for PH307893

GALNT2 (NM_004481) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GALNT2 MS Standard C13 and N15-labeled recombinant protein (NP_004472)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207893
Predicted MW:	64.7 kDa
Protein Sequence:	>RC207893 protein sequence Red=Cloning site Green=Tags(s)

MRRRSRMLLCFAFLWVLGIAYMYSGGGSALAGGAGGAGRKEDWNEIDPIKKKDLHHSNGEKAQSMET
LPPGKVRWPDFNQEAYVGGTMVRSQDPYARNKFNQVESDKLRMDRAIPDTRHDQCQRKQWRVDLPATSV
VITFHNEARSALLRTVVSVLKKSPPHLIKEIILVDDYSNDPEDGALLGKIEKVRVLRNDRREGLMRSRVR
GADAAQAKVLTFLDSHCECNEHWLEPLLERVAEDRTRVVSPIIDVINMDFQYVVGASADLKGGFDWNLVF
KWDYMTPEQRRSRQGNPVAPIKTPMIAGGLFVMDKFYFEELGKYDMMMDVWGGENLEISFRVWQCGGSLE
IIPCSRVGHVFRKQHPYTFPGGSGTVFARNTRAAEVWMDKEYNFYYAAVPSARNVPYGNIQSRLELRKK
LSCKPFKWYLENVYPELRVDPHQDIAFGALQQGTNCLDTLGHFADGVVGVYECHNAGGNQEWALTKEKSV
KHMDLCLTVVDRAPGSLIKLQGRENDSRQKWEQIEGNSKLRHVGSNLC LDSRTAKSGGLSVEVCGPALS
QQWKFTLNLQQ

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_004472
RefSeq Size:	4484
RefSeq ORF:	1713



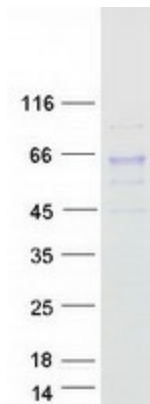
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Synonyms: CDG2T; GalNAc-T2
Locus ID: 2590
UniProt ID: [Q10471](#), [A0A1L7NY50](#)
Cytogenetics: 1q42.13

Summary: This gene encodes a member of the glycosyltransferase 2 protein family. Members of this family initiate mucin-type O-glycosylation of peptides in the Golgi apparatus. The encoded protein may be involved in O-linked glycosylation of the immunoglobulin A1 hinge region. This gene may influence triglyceride levels, and may be involved Type 2 diabetes, as well as several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

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

Product images:



Coomassie blue staining of purified GALNT2 protein (Cat# [TP307893]). The protein was produced from HEK293T cells transfected with GALNT2 cDNA clone (Cat# [RC207893]) using MegaTran 2.0 (Cat# [TT210002]).