

## Product datasheet for PH303849

### GALNTL2 (GALNT15) (NM\_054110) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GALNTL2 MS Standard C13 and N15-labeled recombinant protein (NP_473451)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203849
Predicted MW:	73.1 kDa
Protein Sequence:	>RC203849 protein sequence Red=Cloning site Green=Tags(s)

MLLRKRYRHRPCRLQFLLLLMLGCVLMMVAMLHPPHHTLHQTVTAQASKHSPEARYRLDFGESQDWVLE  
AEDEGEEYSPLEGLPPFI SLREDQLLVAVALPQARRNQSQGRRGGSYRLIKQPRRQDKEAPKRDWGADED  
GEVSEEEELTPFSLDPRGLQEAL SARIPLQRALPEVRHPLCLQQHPQDSLPTASVILCFHDEAWSTLLRT  
VHSILDTPRAFLEKIIIVDDL SQQGQLKSAL SEYVARLEGVKLLRSNKRLG AIRARMLGATRATGDVLV  
FMDAHCECHPGWLEPLL SRIAGDRSRVSPVIDIDWKTFFQYPSKDLQRGVLDWKLDFHWEPLPEHVRK  
ALQSPISPIRSPVVPGEVAMDRHYFQNTGAYDSLMSLRGGENLEL SFKAWLCGGSV EILPCSRVGHYIQ  
NQDSHSPLDQETTLRNRVRIAETWLG SFKETFYKHSPEAFSLSKAEKPCMERLQLQRRLCGRTFHWFLA  
NVYPELYPSEPRPSFSGKLHNTGLGLCADCQAEGDILGCPMVLAPCSDSRQQQYLQHTSRKEIHFGSPQH  
LCFAVRQEQVILQNCTEEGLAIHQHWFQENGMIVHILSGKCMEAVVQENNKDLYLRPCDGKARQQWRF  
DQINAVDER

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:	<a href="#">NP_473451</a>
RefSeq Size:	4641



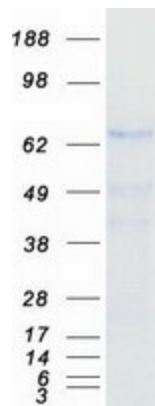
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RefSeq ORF:	1917
Synonyms:	GALNACT15; GALNT7; GALNT13; GALNTL2; PIH5; pp-GalNAc-T15
Locus ID:	117248
UniProt ID:	<a href="#">Q8N3T1</a>
Cytogenetics:	3p25.1

**Summary:** Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a as substrate.[UniProtKB/Swiss-Prot Function]

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

### Product images:



Coomassie blue staining of purified GALNT15 protein (Cat# [TP303849]). The protein was produced from HEK293T cells transfected with GALNT15 cDNA clone (Cat# [RC203849]) using MegaTran 2.0 (Cat# [TT210002]).