

Product datasheet for **TP303849M**

GALNTL2 (GALNT15) (NM_054110) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 2 (GALNTL2), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203849 protein sequence
Red=Cloning site **Green**=Tags(s)

MLLRKRYRHRPCRLQFLLLLMLGCVLMMVAMLHPPHHTLHQTVAQASKHSPEARYRLDFGESQDWVLE
AEDEGEEYSPLEGLPPFISLREDQLLVAVALPQARRNQSQGRGGSYRLIKQPRRQDKEAPKRDWGADED
GEVSEEEELTPFSLDPRGLQEALSARIPLQRALPEVRHPLCLQHPQDLSPTASVILCFHDEAWSTLLRT
VHSILDTVPRAFLKEIILVDDLSQQGQLKSALSEYVARLEGVKLLRSNKRLGAIRARMLGATRATGDVLV
FMDAHCECHPGWLEPLLSRIAGDRSRVSPVIDVIDWKTFQYYPSKDLQRGVLDWKLDHFHWEPLPEHVRK
ALQSPISPIRSPVVPGEVAMDRHYFQNTGAYDSLMSLRGGENLELSFKAWLCGGGSVEILPCSRVGHYIQ
NQDSHSPLDQETTLRNRVRIAETWLGSEFKETFKHSPEAFSLSKAEKPCMERLQLQRRLLGCRTFHWF
LVNYPELYPSEPRPSFSGKLHNTGLGLCADCAEGDILGCPMVLAPCSDSRQQQYLQHTSRKEIHFGSPQH
LCFAVRQEQVILQNCTEEGLAIHQHWFQENGMIVHILSGKCMEEAVVQENNKDLYLRPCDGKARQQWRF
DQINAVDER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 72.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

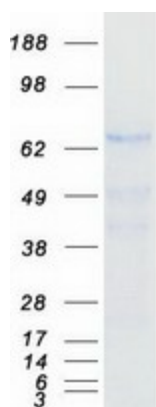
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_473451
Locus ID:	117248
UniProt ID:	Q8N3T1
RefSeq Size:	4641
Cytogenetics:	3p25.1
RefSeq ORF:	1917
Synonyms:	GALNACT15; GALNT7; GALNT13; GALNTL2; PIH5; pp-GalNAc-T15
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]).