

## Product datasheet for **RC203849**

### **GALNTL2 (GALNT15) (NM\_054110) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GALNTL2 (GALNT15) (NM_054110) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GALNTL2
Synonyms:	GALNACT15; GALNT7; GALNT13; GALNTL2; PIH5; pp-GalNAc-T15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC203849 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTCCTAAGGAAGCGATACAGGCACAGACCATGCAGACTCCAGTTCCTCCTGCTGCTCCTGATGCTGG  
GATGCGTCCTGATGATGGTGGCGATGTTGCACCCTCCCCACCACACCCTGCACCAGACTGTCACAGCCCA  
AGCCAGCAAGCACAGCCCTGAAGCCAGGTACCGCTGGACTTTGGGGAATCCCAGGATTGGGTACTGGAA  
GCTGAGGATGAGGGTGAAGAGTACAGCCCTCTGGAGGGCCTGCCACCCTTATCTCACTGCGGGAGGATC  
AGCTGCTGGTGGCCGTGGCCTTACCCAGGCCAGAAGGAACCAGAGCCAGGGCAGGAGAGGTGGGAGCTA  
CCGCTCATCAAGCAGCCAAGGAGGCAGGATAAGGAAGCCCCAAAGAGGGACTGGGGGGCTGATGAGGAC  
GGGAGGTGTCTGAAGAAGAGGAGTTGACCCCGTTCAGCCTGGACCCACGTGGCCTCCAGGAGGCACTCA  
GTGCCCGCATCCCCCTCCAGAGGGCTCTGCCCGAGGTGCGGCACCCACTGTGTCTGCAGCAGCACCCCTCA  
GGACAGCCTGCCACAGCCAGCGTCATCCTCTGTTTCCATGATGAGGCCCTGGTCCACTCTCTGCGGACT  
GTACACAGCATCCTCGACACAGTGCCAGGGCCTTCTGAAGGAGATCATCCTCGTGACACCTCAGCC  
AGCAAGGACAACCTCAAGTCTGCTCTCAGCGAATATGTGGCCAGGCTGGAGGGGTGAAGTTACTCAGGAG  
CAACAAGAGGCTGGGTGCCATCAGGGCCCGGATGCTGGGAGCCACCAGAGCCACCGGGGATGTGCTCGTC  
TTCATGGATGCCACTGCGAGTGCCACCCAGGCTGGTGGAGCCCTCCTCAGCAGAATAGCTGGTGACA  
GGAGCCGAGTGGTATCTCCGGTGATAGATGTGATTGACTGGAAGACTTCCAGTATTACCCTCAAAGGA  
CCTGCAGCGTGGGGTGTGGACTGGAAGCTGGATTTCCACTGGAACTTTGCCAGAGCATGTGAGGAAG  
GCCCTCCAGTCCCCATAAGCCCCATCAGGAGCCCTGTGGTGCCCGGAGAGGTGGTGGCCATGGACAGAC  
ATTACTTCCAAAACACTGGAGCGTATGACTCTTATGTGCTGCGAGGTGGTGAACCTCGAAGTGC  
TTTCAAGGCCTGGCTCTGTGGTGGCTCTGTTGAAATCCTTCCCTGCTCTCGGGTAGGACACATCTACCAA  
AATCAGGATTCCTTCCCCCTCGACCAGGAGACCACCTGAGGAACAGGGTTCGATTGCTGAGACCT  
GGCTGGGGTCAATCAAAGAACTTCTACAAGCATAGCCAGAGGCCCTTCTCCTTGAGCAAGGCTGAGAA  
GCCAGACTGCATGGAACGCTTGCAGCTGCAAAGGAGACTGGGTTGTGGACATTCCACTGGTTTCTGGCT  
AATGTCTACCCTGAGCTGTACCCATCTGAACCCAGGCCAGTTTCTCTGGAAAGCTCCACAACACTGGAC  
TTGGGCTCTGTGCAGACTGCCAGGCAGAAGGGACATCCTGGGCTGTCCCATGGTGTGGCTCCTTGCA  
TGACAGCCGGCAGCAACAGTACCTGCAGCACACCAGCAGGAAGGAGATTCACTTTGGCAGCCACAGCAC  
CTGTGCTTTGCTGTGAGCAGGAGCAGGTGATTCTTCAAGACTGCACGGAGGAAGGCCTGGCCATCCACC  
AGCAGCACTGGGACTTCCAGGAGAATGGGATGATTGTCCACATTTCTGGGAAATGCATGGAAGCTGT  
GGTGCAAGAAAACAATAAGATTTGTACCTGCGTCCGTGTGATGGAAGCCCGCCAGCAGTGGCGTTTT  
GACCAGATCAATGCTGTGGATGAACGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_054110.1](#)

**RefSeq Size:** 4641 bp

**RefSeq ORF:** 1920 bp

**Locus ID:** 117248

**UniProt ID:** [Q8N3T1](#)

**Cytogenetics:** 3p25.1

**Domains:** RICIN, Glycos\_transf\_2

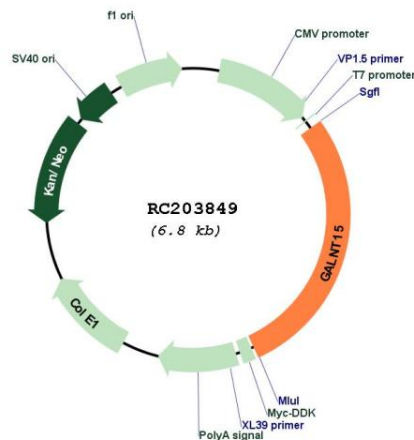
**Protein Families:** Transmembrane

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

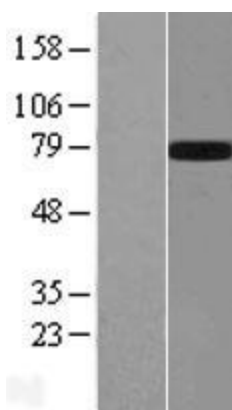
**MW:** 73.1 kDa

**Gene 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]

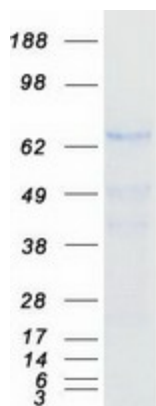
## Product images:



Circular map for RC203849



Western blot validation of overexpression lysate (Cat# [LY409285]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203849 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).