

Recombinant Human GALNT15 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GALNT15-5720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GALNTL2 MS Standard C13 and N15-labeled recombinant protein (NP_473451) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	73.1 kDa
AA Sequence	MLLRKRYRHRPCRLQFLLLLMLGCVLMMVAMLHPPHHTLHQTVTAQASKHSPEAR YRLDFGESQDWVLEAEDEGEEYSPLLEGLPPFISLREDQLLVAVALPQARRNQSQGR RGGSYRLIKQPRRQDKEAPKRDWGADEEDGEVSEEEELTPFSLDPRGLQEALSARIP LQRALPEVRHPLCLQHPQDSLPTASVILCFHDEAWSTLLRTVHSILDTVPRAFLKEII LVDDLSQQGQLKSALSEYVARLEGVKLLRSNKRLGAIRARMLGATRATGDVLVFMDF AHCECHPGWLEPLLSRIAGDRSRVSPVIDVIDWKTFQYYPSKDLQRGVLDWKLDF HWEPLPEHVRKALQSPISPIRSPVVPGEVVAMDRHYFQNTGAYDSLMSLRGGENLE

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LSFKAWLCGGGSVEILPCSRVGHYQNDQSHSPLDQETTLRNRVRIAETWLGSFKETF
YKHSPEAFSLSKAEKPDCMERLQLQRRLLGCRTHWFLANVPELYPSEPRPSFSGK
LHNTGLGLCADCQAEGDILGCPMVLAPCSDSRQQYLQHTSRKEIHFGSPQHLCFA
VRQEQVILQNCTEEGLAIHQHWFQENGMIVHILSGKCMEEAVVQENNKDLYLRPC
DGKARQQWRFDQINAVDERTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GALNT15 polypeptide N-acetylgalactosaminyltransferase 15 [Homo sapiens (human)]

Official Symbol GALNT15

Synonyms GALNT15; polypeptide N-acetylgalactosaminyltransferase 15; PIH5; GALNT7; GALNT13; GALNTL2; GALNACT15; pp-GalNAc-T15; polypeptide N-acetylgalactosaminyltransferase 15; UDP-GalNAc transferase T15; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase-like protein 2; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 15; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like

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2; galNAc-T-like protein 2; polypeptide GalNAc transferase 15; polypeptide GalNAc transferase-like protein 2; polypeptide N-acetylgalactosaminyltransferase 13; polypeptide N-acetylgalactosaminyltransferase-like protein 2; pp-GaNTase-like protein 2; pregnancy-induced hypertension syndrome-related protein 5; protein-UDP acetylgalactosaminyltransferase-like protein 2; EC 2.4.1.41

Gene ID [117248](#)

mRNA Refseq [NM_054110](#)

Protein Refseq [NP_473451](#)

MIM [615131](#)

UniProt ID [Q8N3T1](#)

SDS-PAGE

