

Recombinant Mouse Galnt15 Protein, Myc/DDK-tagged

Cat. No. Galnt15-3143M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length polypeptide N-acetylgalactosaminyltransferase 15 (Galnt15), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	72.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Galnt15 polypeptide N-acetylgalactosaminyltransferase 15 [Mus musculus (house mouse)]

Official Symbol Galnt15

Synonyms Galnt15; polypeptide N-acetylgalactosaminyltransferase 15; Gal; Galnt12; 4631401E18Rik; mpp-GalNAc-T15; polypeptide N-acetylgalactosaminyltransferase 15; 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-like 2; galNAc-T-like protein 2; polypeptide GalNAc transferase-like protein 2; polypeptide N-acetylgalactosaminyltransferase-like 2; polypeptide N-acetylgalactosaminyltransferase-like protein 2; pp-GaNTase-like protein 2; protein-UDP acetylgalactosaminyltransferase-like protein 2; EC 2.4.1.41

Gene ID 78754

mRNA Refseq NM_030166

Protein Refseq NP_084442

UniProt ID Q9D2N8

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