Polypeptide N-Acetylgalactosaminyltransferase 14 (GALNT14) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polypeptide N-acetylgalactosaminyltransferase 14 (Galnt14), Recombinant Protein
Full Product Name	Recombinant Mouse Polypeptide N-acetylgalactosaminyltransferase 14 (Galnt14), partial
Product Gene Name	Galnt14 recombinant protein
Product Synonym Gene Name	Galnt14
Sequence	MRRLTRRLAL PIFGVLWITV LLFFWVTKRK LEVPLGPEVQ TPKPSDADWD DLWEQFDERR YLNAKKWRVG DDPYKLYAFN QRESERISSN RAVPDTRHKR CSLLVYCTDL PPTSIIITFH NEARSTLLRT IRSVLNRTPM HLIQEIILVD DFSNDPEDCK QLIKLPKVKC LRNNERQGLV RSRMRGADIA QGTTLTFLDS HCEVNRDWLQ PLLHRVKEDY TRVVCPVIDI INLDTFNYIE SASELRGGFD WSLHFQWEQL SLEQKALRLD PTEPIRTPII AGGLFVIDKA WFDYLGKYDV DMDIWGGENF EISFRVWMCG GGLEIIPCSR VGHVFRKKHP YVFPDGNANT YIKNTKRTAE VWMDEYKQYY YAARPFALER PFGNIENRLN LRKNLHCQTF KWNLENVYPE LRVPPDSSIQ KGNIRQRQKC LESQKQKKQE ILRLSPCAKV KGDGAKSQVW AFTYTQQIIQ EELCLSVVTL FPGAPVVLAL CKNGDERQLW TKTGARIEHI ASHLCLDTDM FGDSTEDGKE VVVNPCESSL MSQHWDIVSS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	50,057 Da
Sequence Positions	1-550
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8BVG5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Galnt14 recombinant protein	MBS1384183 is a recombinant protein targeting Galnt14. Also known as Recombinant Mouse Polypeptide N-acetylgalactosaminyltransferase 14 (Galnt14), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Galnt14 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Galnt14. It may not necessarily be applicable to this product.

NCBI GI #	254910954
NCBI GeneID	71685
NCBI Accession #	NP_082140.2

UniProt Primary Accession #	Q8BVG5
UniProt Secondary Accession #	Q60GT2; Q8BTI6; Q9DCJ2
UniProt Related Accession #	Q8BVG5
GenBank Nucleotide #	NM_027864.2
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 14
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 14
NCBI Official Symbol	Galnt14
NCBI Official Synonym Symbols	0610033M06Rik
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 14
UniProt Synonym Protein Names	Polypeptide GalNAc transferase 14; GalNAc-T14; pp-GaNTase 14; Protein-UDP acetylgalactosaminyltransferase 14; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 14
Protein Family	Polypeptide N-acetylgalactosaminyltransferase
UniProt Gene Name	Galnt14
UniProt Synonym Gene Names	GalNAc-T14; pp-GaNTase 14
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 14
UniProt Comments for Galnt14	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. Displays activity toward mucin-derived peptide substrates such as Muc2, Muc5AC, Muc7, and Muc13 (-58). May be involved in O-glycosylation in kidney ().
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