N-Acetyl-Beta-Glucosaminyl-Glycoprotein 4-Beta-N-Acetylgalactosaminyltransferase 2 (B4GALNT3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2 (B4galnt3), Recombinant Protein
Full Product Name	Recombinant Mouse N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2 (B4galnt3) , partial
Product Gene Name	B4galnt3 recombinant protein
Product Synonym Gene Name	B4galnt3
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	113,509 Da
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 Q6L8S8
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for B4galnt3 recombinant protein	MBS1398757 is a recombinant protein targeting B4galnt3. Also known as Recombinant Mouse N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2 (B4galnt3) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of B4galnt3 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 B4galnt3. It may not necessarily be applicable to this product.

NCBI GI #	38566700
NCBI GeneID	330406
NCBI Accession #	NP_942585.1
UniProt Primary Accession #	Q6L8S8
UniProt Related Accession #	Q6L8S8
GenBank Nucleotide #	NM_198884.1

NCBI Official Full Name	beta-1,4-N-acetylgalactosaminyltransferase 3
NCBI Official Synonym Full Names	beta-1,4-N-acetyl-galactosaminyl transferase 3
NCBI Official Symbol	B4galnt3
NCBI Official Synonym Symbols	AB114826; B4GalNAcT3; C330047A21
UniProt Protein Name	Beta-1,4-N-acetylgalactosaminyltransferase 3
UniProt Synonym Protein Names	Beta-1,4-N-acetylgalactosaminyltransferase III; N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2; NGalNAc-T2
Protein Family	Beta-1,4-N-acetylgalactosaminyltransferase
UniProt Gene Name	B4galnt3
UniProt Synonym Gene Names	Beta4GalNAc-T3; Beta4GalNAcT3; NGalNAc-T2
NCBI Protein Information	beta-1,4-N-acetylgalactosaminyltransferase 3
UniProt Comments for B4galnt3	Transfers N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'-diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans. Mediates the N,N'-diacetyllactosediamine formation on gastric mucosa ().
Research Articles on B4galnt3	**1.** Peptide-specific transfer of N-acetylgalactosamine to O-linked glycans by the glycosyltransferases beta1,4-N-acetylgalactosaminyl transferase 3 (beta4GalNAc-T3) and beta4GalNAc-T4.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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