Polypeptide N-Acetylgalactosaminyltransferase 13 (GALNT13) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polypeptide N-acetylgalactosaminyltransferase 13 (Galnt13), Recombinant Protein
Full Product Name	Recombinant Mouse Polypeptide N-acetylgalactosaminyltransferase 13 (Galnt13), partial
Product Gene Name	Galnt13 recombinant protein
Product Synonym Gene Name	Galnt13
Sequence	MRRFVYCKVV LATSLMWVLV DVFLLLYFSE CNKCDDKKER SLLPALRAVI SRNQEGPGEM GKAVLIPKDD QEKMKELFKI NQFNLMASDL IALNRSLPDV RLEGCKTKVY PDELPNTSVV IVFHNEAWST LLRTVYSVIN RSPHYLLSEV ILVDDASERD FLKLTLENYV KTLEVPVKII RMEERSGLIR ARLRGAAASK GQVITFLDAH CECTLGWLEP LLARIKEDRK TVVCPIIDVI SDDTFEYMAG SDMTYGGFNW KLNFRWYPVP QREMDRRKGD RTLPVRTPTM AGGLFSIDRN YFEEIGTYDA GMDIWGGENL EMSFRIWQCG GSLEIVTCSH VGHVFRKATP YTFPGGTGHV INKNNRRLAE VWMDEFKDFF YIISPGVVKV DYGDVSVRKT LRENLKCKPF SWYLENIYPD SQIPRRYYSL GEIRNVETNQ CLDNMGRKEN EKVGIFNCHG MGGNQVFSYT ADKEIRTDDL CLDVSRLSGP VIMLKCHHMR GNQLWEYDAE RLTLRHANSN QCLDEPSEED KMVPTMQDCS GSRSQQWLLR NMTLGT
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	67,796 Da
Sequence Positions	1-556
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 Q8CF93
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Galnt13 recombinant protein	MBS1463593 is a recombinant protein targeting Galnt13. Also known as Recombinant Mouse Polypeptide N-acetylgalactosaminyltransferase 13 (Galnt13), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Galnt13 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 Galnt13. It may not necessarily be applicable to this product.

NCBI GI #	76677928
NCBI GeneID	271786
NCBI Accession #	NP_766618.2

UniProt Primary Accession #	Q8CF93
UniProt Secondary Accession #	Q8BLE4; Q8BYT3
UniProt Related Accession #	Q8CF93
GenBank Nucleotide #	NM_173030.2
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 13
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 13
NCBI Official Symbol	Galnt13
NCBI Official Synonym Symbols	BB182356; A230002A12; A230020F20
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 13
UniProt Synonym Protein Names	Polypeptide GalNAc transferase 13; GalNAc-T13; pp-GaNTase 13; Protein-UDP acetylgalactosaminyltransferase 13; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 13
Protein Family	Polypeptide N-acetylgalactosaminyltransferase
UniProt Gene Name	Galnt13
UniProt Synonym Gene Names	GalNAc-T13; pp-GaNTase 13
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 13
UniProt Comments for Galnt13	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. Has a much stronger activity than GALNT1 to transfer GalNAc to mucin peptides, such as Muc5Ac and Muc7. Able to glycosylate SDC3. Probably responsible for the synthesis of Tn antigen in neuronal cells.
Research Articles on Galnt13	**1.** This study suggests that ppGalNAc-T13 contributes to neuronal differentiation through glycosylating and stabilizing PDPN, which provides insights into the regulatory roles of O-glycosylation in mammalian neural development.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/polypeptide-n-acetylgalactosaminyltransferase-13-galnt13/1463593