Glycosyltransferase-Like Protein LARGE2 (GYLTL1B) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycosyltransferase-like protein LARGE2 (GYLTL1B), Recombinant Protein
Full Product Name	Recombinant Chicken Glycosyltransferase-like protein LARGE2 (GYLTL1B), partial
Product Gene Name	GYLTL1B recombinant protein
Product Synonym Gene Name	GYLTL1B
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	85,568 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 Q66PG4
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GYLTL1B recombinant protein	MBS1406086 is a recombinant protein targeting GYLTL1B. Also known as Recombinant Chicken Glycosyltransferase-like protein LARGE2 (GYLTL1B), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GYLTL1B 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 GYLTL1B. It may not necessarily be applicable to this product.

NCBI GI #	52138697
NCBI GeneID	423200
NCBI Accession #	NP_001004404.1
UniProt Primary Accession #	Q66PG4
UniProt Related Accession #	Q66PG4
GenBank Nucleotide #	NM_001004404.2
NCBI Official Full Name	LARGE xylosyl- and glucuronyltransferase 2
NCBI Official Synonym Full Names	LARGE xylosyl- and glucuronyltransferase 2

NCBI Official Symbol	LARGE2
NCBI Official Synonym Symbols	LARGE; GYLTL1B
UniProt Protein Name	LARGE xylosyl- and glucuronyltransferase 2
UniProt Synonym Protein Names	Glycosyltransferase-like 1BIncluding the following 2 domains:Xylosyltransferase LARGE2Curated (EC:2.4.2.-)Beta-1,3-glucuronyltransferase LARGE2Curated (EC:2.4.1.-)
UniProt Gene Name	LARGE2
NCBI Protein Information	LARGE xylosyl- and glucuronyltransferase 2; glycosyltransferase-like protein LARGE2
UniProt Comments for GYLTL1B	Bifunctional glycosyltransferase with both xylosyltransferase and beta-1,3-glucuronyltransferase activities involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1). Phosphorylated O-mannosyl trisaccharid is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Elongates the glucuronyl-beta-1,4-xylose-beta disaccharide primer structure by adding repeating units [-3-Xylose-alpha-1,3-GlcA-beta-1-] to produce a heteropolysaccharide. Has a higher activity toward alpha-dystroglycan than LARGE.
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