UDP-Glucose:glycoprotein Glucosyltransferase 1 (UGGT1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-glucose:glycoprotein glucosyltransferase 1 (Uggt1), Recombinant Protein
Full Product Name	Recombinant Mouse UDP-glucose:glycoprotein glucosyltransferase 1 (Uggt1) , partial
Product Gene Name	Uggt1 recombinant protein
Product Synonym Gene Name	Uggt1
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	176,434 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 Q6P5E4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Uggt1 recombinant protein	MBS1438140 is a recombinant protein targeting Uggt1. Also known as Recombinant Mouse UDP-glucose:glycoprotein glucosyltransferase 1 (Uggt1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Uggt1 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 Uggt1. It may not necessarily be applicable to this product.

NCBI GI #	236466498
NCBI GeneID	320011
NCBI Accession #	NP_942602.2
UniProt Primary Accession #	Q6P5E4
UniProt Secondary Accession #	Q6NV70; E9QQ49
UniProt Related Accession #	Q6P5E4
GenBank Nucleotide #	NM_198899.2
NCBI Official Full Name	UDP-glucose:glycoprotein glucosyltransferase 1
NCBI Official Synonym Full Names	UDP-glucose glycoprotein glucosyltransferase 1

NCBI Official Symbol	Uggt1
NCBI Official Synonym Symbols	GT; UGT1; Ugcgl1; AA589501; AI414429; AI448372; 0910001L17Rik; A930007H10Rik; C820010P03Rik
UniProt Protein Name	UDP-glucose:glycoprotein glucosyltransferase 1
UniProt Synonym Protein Names	UDP--Glc:glycoprotein glucosyltransferase; UDP-glucose ceramide glucosyltransferase-like 1
Protein Family	UDP-glucose:glycoprotein glucosyltransferase
UniProt Gene Name	Uggt1
UniProt Synonym Gene Names	Gt; Ugcgl1; Uggt; Ugt1; Ugtr; UGT1
NCBI Protein Information	UDP-glucose:glycoprotein glucosyltransferase 1
UniProt Comments for Uggt1	Recognizes glycoproteins with minor folding defects. Reglucosylates single N-glycans near the misfolded part of the protein, thus providing quality control for protein folding in the endoplasmic reticulum. Reglucosylated proteins are recognized by calreticulin for recycling to the endoplasmic reticulum and refolding or degradation ().
Research Articles on Uggt1	**1.** Loss of UGT1 expression is associated with neonatal hyperbilirubinemia.
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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