Galactosylgalactosylxylosylprotein 3-Beta-Glucuronosyltransferase S (GlcAT-S) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase S (GlcAT-S), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase S (GlcAT-S), partial
Product Gene Name	GlcAT-S recombinant protein
Product Synonym Gene Name	GlcAT-S
Sequence	MSSARLLESQ TSDEDNEDIE RRPHQSHSRS CSNNTTPTHP PHPMVRKGGV ARR
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	37,969 Da
Sequence Positions	1-53
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 Q9VLA1
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GlcAT-S recombinant protein	MBS1398580 is a recombinant protein targeting GlcAT-S. Also known as Recombinant Drosophila melanogaster Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase S (GlcAT-S), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GlcAT-S 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 GlcAT-S. It may not necessarily be applicable to this product.

NCBI GI #	19921004
NCBI GeneID	34282
NCBI Accession #	NP_609303.1
UniProt Primary Accession #	Q9VLA1

UniProt Secondary Accession #	Q868Q3; Q8IPE6; Q95U07
UniProt Related Accession #	Q9VLA1
GenBank Nucleotide #	NM_135459.4
NCBI Official Full Name	GlcAT-S, isoform B
NCBI Official Symbol	GlcAT-S
NCBI Official Synonym Symbols	CG3881; dGlcAT-BSI; dGlcAT-S; DGlcAT-S; DmelCG3881; DmGlcAT-BSI
UniProt Protein Name	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase S
UniProt Synonym Protein Names	Beta-1,3-glucuronyltransferase S; Glucuronosyltransferase S; GlcAT-S; UDP-glucuronosyltransferase S; DmGlcAT-BSI
Protein Family	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase
UniProt Gene Name	GlcAT-S
UniProt Synonym Gene Names	GLCAT-BSI; GlcAT-S; DmGlcAT-BSI
NCBI Protein Information	CG3881 gene product from transcript CG3881-RA
UniProt Comments for GlcAT-S	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on both glycolipids and glycoproteins. Enzyme has a broad specificity.
Research Articles on GlcAT-S	**1.** Study confirms results showing that GlcAT-S and GlcAT-P can transfer GlcA to the O-linked T-antigen as well as to N-linked LacNAc-chains in vitro.
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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