

GBGT1 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP22026c

Specification

GBGT1 Blocking Peptide (Center) - Product Information

Primary Accession

[Q8N5D6](#)**GBGT1 Blocking Peptide (Center) - Additional Information**

Gene ID 26301

Other Names

Globoside alpha-1, 3-N-acetylgalactosaminyltransferase 1, 2.4.1.-, Forssman glycolipid synthase-like protein, GBGT1

Target/Specificity

The synthetic peptide sequence is selected from aa 174-185 of HUMAN GBGT1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GBGT1 Blocking Peptide (Center) - Protein InformationName GBGT1 ([HGNC:20460](#))**Function**

Has lost the ability to synthesize Forssman glycolipid antigen (FORS1/FG) (PubMed:10506200). Might have acquired an alternative function in glycosphingolipid metabolism, but it remains to be established. It appears to have drifted more slowly than confirmed pseudogenes in the glycosyltransferase 6 family, suggesting that it has remained under evolutionary pressure.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Widely expressed. Expressed at higher level in placenta, ovary and peripheral blood leukocyte, whereas it is weakly expressed in liver, thymus, and testis (PubMed:10506200). Expressed in bone marrow erythroid cells (PubMed:23255552)

GBGT1 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GBGT1 Blocking Peptide (Center) - Images

GBGT1 Blocking Peptide (Center) - Background

Catalyzes the formation of some glycolipid via the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to some substrate. Glycolipids probably serve for adherence of some pathogens.

GBGT1 Blocking Peptide (Center) - References

Xu H.,et al.J. Biol. Chem. 274:29390-29398(1999).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.