

Recombinant Full Length Human GBGT1 Protein, GST-tagged

Cat. No. GBGT1-5521HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GBGT1 full-length ORF (AAH32499.1, 1 a.a. - 347 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	347 amino acids
Description	This gene encodes a member of the histo-blood group ABO gene family that encodes glycosyltransferases with related but distinct substrate specificity. This protein plays a role in synthesizing Forssman glycolipid (FG), a member of the globoseries glycolipid family. Human cells do not normally produce FG but produce the precursor glycolipids globotriaosylceramide and globoside. This protein may be involved in the tropism and binding of pathogenic organisms. [provided by RefSeq]
Molecular Mass	66.6 kDa
AA Sequence	MHRRRLALGLGFCLLAGTSFSVLWVYLENWLPVSYPYYLPCPEIFNMKLHYKREK PLQPVVWSQYPQPKLLEHRPTQLLTLPWLAPIVSEGTFNPELLQHIYQPLNLTIGVT VFAVGKYTHFIQSFLSAEEFFMRGYRVHYYIFTDNPAAVPGVPLGPHRLLSSIIQ G HSHWEETSMRRMETISQHIakraHREVDYLFCLDVDMVFRNPWGPETLGDLVAAIH PSYYAVPRQQFPYERRRVSTAFVADSEGDFFYYGGAVFGGQVARVYEFTRGCHMAI LADKANGIMAAWREESHlnRHfISNKPSKVLSPeyLWDDRKPQPPSLKLIRFSTLDK DISCLRS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GBGT1 globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group) [Homo sapiens (human)]
Official Symbol	GBGT1
Synonyms	GBGT1; globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group); FS; A3GALNT; UNQ2513; globoside alpha-1,3-N-acetylgalactosaminyltransferase 1; Forssman blood group; Forssman glycolipid synthetase (FS); forssman glycolipid synthase-like protein; EC 2.4.1.88
Gene ID	26301
mRNA Refseq	NM_001282629
Protein Refseq	NP_001269558
MIM	606074

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UniProt ID

Q8N5D6

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