

# Recombinant Full Length Human GBGT1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human GBGT1 full-length ORF ( AAH32499.1, 1 a.a. - 347 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	347 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	66.6 kDa
<b>AA Sequence</b>	MHRRRLALGLGFCLLAGTSFSVLWVYLENWLPVSYVPYYLPCPEIFNMKLHYKREK PLQPVVWSQYPQPKLLEHRPTQLLTLTPWLAPIVSEGTFNPELLQHIIYQPLNLTIGVT VFAVGKYTHFIQSFLSAEEFFMRGYRVHYYIFTDNPAAVPGVPLGPHRLLSSIPIQG HSHWEETSMRRMETISQHIakraHREVDYLFCLDVDMVFRNPWGPETLGDLVAAIH PSYYAVPRQQFPYERRRVSTAFVADSEGDYFYGGAVFGGQVARVYEFTRGCHMAI LADKANGIMAAWREESHlnRHfISNKPSKVLsPEYLWDDRKPQPPSLKLIRFSTLDK DISCLRS

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

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UniProt ID

Q8N5D6

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