



ST3GAL6 blocking peptide (CDBP6193)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the sialyltransferase family. Members of this family are enzymes that transfer sialic acid from the activated cytidine 5'-monophospho-N-acetylneuraminic acid to terminal positions on sialylated glycolipids (gangliosides) or to the N- or O-linked sugar chains of glycoproteins. This protein has high specificity for neolactotetraosylceramide and neolactohexaosylceramide as glycolipid substrates and may contribute to the formation of selectin ligands and sialyl Lewis X, a carbohydrate important for cell-to-cell recognition and a blood group antigen. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Sep 2012]
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Conjugate	Unconjugated
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Applications	Used as a blocking peptide in immunoblotting applications.
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Format	Liquid
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Concentration	200 µg/mL
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Size	0.05 mg
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Preservative	None
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Storage	-20°C
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GENE INFORMATION

Gene Name	ST3GAL6 ST3 beta-galactoside alpha-2,3-sialyltransferase 6 [Homo sapiens (human)]
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Official Symbol	ST3GAL6
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Synonyms	ST3GAL6; ST3 beta-galactoside alpha-2,3-sialyltransferase 6; SIAT10; ST3GALVI; type 2 lactosamine alpha-2,3-sialyltransferase; alpha2,3-sialyltransferase ST3Gal VI; sialyltransferase
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10 (alpha-2,3-sialyltransferase VI); CMP-NeuAc:beta-galactoside alpha-2,3-sialyltransferase VI

Entrez Gene ID	10402
mRNA Refseq	NM_001271142
Protein Refseq	NP_001258071
UniProt ID	Q9Y274
Pathway	Asparagine N-linked glycosylation; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide; Disease; Glycogen storage diseases; Glycosaminoglycan metabolism; Glycosphingolipid biosynthesis - lacto and neolacto series; Keratan sulfate biosynthesis; Keratan sulfate/keratin metabolism
Function	beta-galactoside alpha-2,3-sialyltransferase activity