

Recombinant Human ST3GAL6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ST3GAL6-2808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ST3GAL6 MS Standard C13 and N15-labeled recombinant protein (NP_006091) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	38.2 kDa
AA Sequence	MRGYLVIAIFLSAVFLYYVLHCILWGTVVWVAPVEMKRRNKIQPCLSKPAFASLLRF HGFHPFLCAADFRKIASLYGSDKFDLPYGMRTSAEYFRLALSKLQSCDLFDEFDNP CKKCVVVGNGGVLKNKTLGEKIDSVDIIRMNNGPVLGHEEEVGRRTTFRLLFYFESV FSDPIHNDPNTTVILTAFKPHDLRWLLELLMGDKINTNGFWKKPALNLIYKPYQIRILD PFIIRTAAYELLHFPKVF PKNQPKKHPTTGIIAITLAFYICHEVHLAGFKYNFSDLKSPLH YYGNATMSLMNKNAYHNVTAEQLFLKDIEKNLVINLTQDSGPTRTRPLEQKLISEED

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	LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ST3GAL6 ST3 beta-galactoside alpha-2,3-sialyltransferase 6 [Homo sapiens (human)]
Official Symbol	ST3GAL6
Synonyms	ST3GAL6; ST3 beta-galactoside alpha-2,3-sialyltransferase 6; sialyltransferase 10 (alpha 2,3 sialyltransferase VI), SIAT10; type 2 lactosamine alpha-2,3-sialyltransferase; ST3GALVI; ST3Gal VI; alpha2,3-sialyltransferase; sialyltransferase 10 (alpha-2,3-sialyltransferase VI); CMP-NeuAc:beta-galactoside alpha-2,3-sialyltransferase VI; SIAT10;
Gene ID	10402
mRNA Refseq	NM_006100
Protein Refseq	NP_006091

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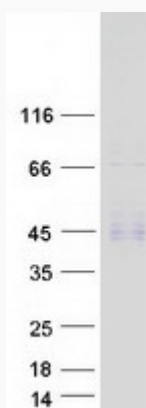
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MIM 607156

UniProt ID Q9Y274

SDS-PAGE



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