

Product datasheet for PH305750

ST3GAL6 (NM_006100) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ST3GAL6 MS Standard C13 and N15-labeled recombinant protein (NP_006091)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205750
Predicted MW:	38.2 kDa
Protein Sequence:	>RC205750 protein sequence Red=Cloning site Green=Tags(s) MRGYLVAIFLSAVFLYYVLHCILWGTNVYVAVPEMRRNKIQPCLSKPAFASLLRFHQFHPFLCAADFR KIASLYGSDKFDLPYGMRTSAEYFRLALSKLQSCDLDFEDFNIPCKKCVVVGNGGVLKKNKTLGEKIDSYD VIIRMNNGPVLGHEEEVGRRTTFRLFYPESVFSDFIHNDPNTTVILTAFKPHDLRWLELLMGDKINTNG FWKKPALNLIYKPYQIRILDFFIIRTAAYELLHFVKVFPKNQPKHPTTGI AITLAFYICHEVHLAGFK YNFSDLKSPLHYGNATMSLMKNAYHNVTAEQLFLKDIIEKNLVINLTQD SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006091
RefSeq Size:	3571
RefSeq ORF:	993
Synonyms:	SIAT10; ST3GALVI
Locus ID:	10402



[View online »](#)

UniProt ID: [Q9Y274](#)

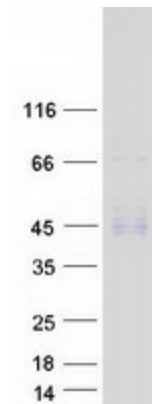
Cytogenetics: 3q12.1

Summary: 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. [provided by RefSeq, Apr 2016]

Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

Product images:



Coomassie blue staining of purified ST3GAL6 protein (Cat# [TP305750]). The protein was produced from HEK293T cells transfected with ST3GAL6 cDNA clone (Cat# [RC205750]) using MegaTran 2.0 (Cat# [TT210002]).