

Recombinant Human beta-Galactoside alpha-2,6-Sialyltransferase 1 Protein

Cat.NO.: TP05416

3th Edition

Synonyms: Beta-Galactoside Alpha-2;6-Sialyltransferase 1; Alpha 2;6-ST 1; B-Cell Antigen CD75; CMP-N-Acetylneuraminase-Beta-Galactosamide-Alpha-2;6-Sialyltransferase 1; ST6Gal I; ST6Gal; Sialyltransferase 1; ST6GAL1; SIAT1

Description: The ST6GAL1 gene encodes β -Galactosamide α -2,6-Sialyltransferase 1. It is a type II membrane protein and is localized to the trans-Golgi network. It catalyzes 2,6-sialylation of Gal β 1,4-GlcNAc structures on N-glycans. ST6GAL1 is highly expressed in the liver and other tissues. ST6GAL1 deficiency causes abnormalities in B-cell immunoreactivity. The expression and activity of ST6GAL1 are associated with tumor metastasis in breast and colon cancers. The majority of ST6GAL1 in the liver is cleaved and secreted into the serum and may be used as a biomarker for hepatitis diseases.

Form: PBS

Molecular Weight: 44.6 kDa

Sequences: Lys27-Cys406

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 μ g of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.