

Recombinant Human ST6GAL1 Protein (His Tag)

Catalog No. PKSH033362

Note: Centrifuge before opening to ensure complete recovery of vial contents.

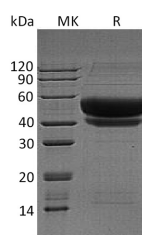
Description

Synonyms	Beta-Galactoside Alpha-2;6-Sialyltransferase 1;Alpha 2;6-ST 1;B-Cell Antigen CD75;CMP-N-Acetylneuraminate-Beta-Galactosamide-Alpha-2;6-Sialyltransferase 1;ST6Gal I;ST6GalI;Sialyltransferase 1;ST6GAL1;SIAT1
Species	Human
Expression Host	HEK293 Cells
Sequence	Lys27-Cys406
Accession	P15907
Calculated Molecular Weight	44.6 kDa
Observed molecular weight	41-60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

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ST6GAL1 in the liver is cleaved and secreted into the serum and may be used as a biomarker for hepatitis diseases.