

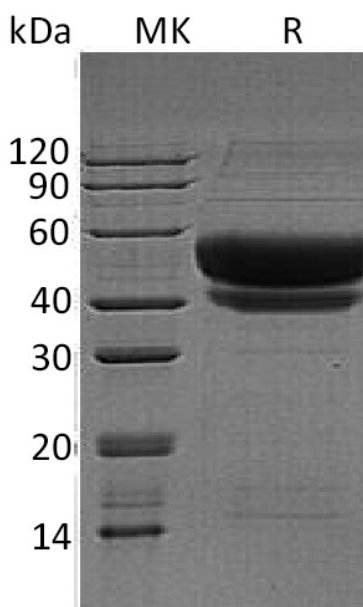
Product Name: Recombinant Human ST6GAL1 (C-6His)
Catalog #: PHH1562



Summary

Name	ST6 Gal Sialyltransferase 1/ST6GAL1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Beta-Galactoside Alpha-2,6-Sialyltransferase 1 is produced by our Mammalian expression system and the target gene encoding Lys27-Cys406 is expressed with a 6His tag at the C-terminus.
Accession #	P15907
Host	Human Cells
Species	Human
Predicted Molecular Mass	44.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

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; ST6Gall; Sialyltransferase 1; ST6GAL1; SIAT1

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

Note

For Research Use Only , Not for Diagnostic Use.