

Recombinant Human ST6GALNAC2 Protein (His Tag)

Catalog No. PKSH033078

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

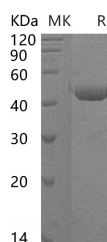
Description

Synonyms	Alpha-N-Acetylgalactosaminide Alpha-2;6-Sialyltransferase 2;GalNAc Alpha-2;6-Sialyltransferase II;ST6GalNAc II;ST6GalNAcII;SThM;Sialyltransferase 7B;SIAT7-B;ST6GALNAC2;SIAT7B;SIATL1;STHM
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser29-Arg374
Accession	Q9UJ37
Calculated Molecular Weight	38.8 kDa
Observed molecular weight	44 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 PB, 150mM NaCl, 5mM EDTA, 5% Trehalosen, pH 7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Alpha-N-Acetylgalactosaminide α -2,6-Sialyltransferase 2 (ST6GALNAC2) belongs to the glycosyltransferase 29 family that adds sialic acids to the non-reducing ends of glycoconjugates. At the cell surface, these modifications play roles in cell-cell and cell-substrate interactions, bacterial adhesion and protein targeting. ST6GALNAC2 is localized to the Golgi

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apparatus membrane. ST6GALNAC2 is highly expressed in lactating mammary glands and the adult testis; it is expressed at lower levels in the kidney. ST6GALNAC2 can catalyze 2,6-sialylation of the Tn antigen.

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