



Recombinant Protein Technical Manual
Recombinant Human ST6GALNAC2 Protein (His Tag)
RPES0183

Product Data:

Product SKU: RPES0183

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UJ37

Protein Information:

Molecular Mass: 38.8 kDa

AP Molecular Mass: 44 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Ser29-Arg374

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 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.