

ST6GalNAc2 Protein, Human, Recombinant (His)

General Information

Synonyms:	GalNAc α -2;SIATL1;SIAT7B;GalNAc Alpha-2;SIAT7-B;Sialyltransferase 7B;Alpha-N-Acetylgalactosaminide Alpha-2; α -N-Acetylgalactosaminide α -2;6-Sialyltransferase II;6-Sialyltransferase 2;ST6GalNAcII;ST6GALNAC2;ST6GalNAc II;STHM
Protein Construction:	Ser29-Arg374
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9UJ37
Molecular Weight:	44 KDa (reducing condition)
AA Sequence:	Ser29-Arg374

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, 5 mM EDTA, 5% Trehalosen, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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