

Recombinant Human ST8SIA1 Protein (His Tag)

Catalog No. PKSH033251

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

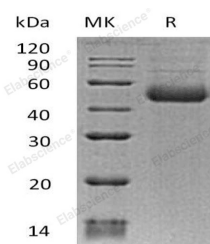
Description

Synonyms	Alpha-N-Acetylneuraminide Alpha-2;8-Sialyltransferase;Alpha-2;8-Sialyltransferase 8A;Ganglioside GD3 Synthase;Ganglioside GT3 Synthase;Sialyltransferase 8A;SIAT8-A;Sialyltransferase St8Sia I;ST8SiaI;ST8SIA1;SIAT8;SIAT8A
Species	Human
Expression Host	HEK293 Cells
Sequence	Tyr49-Ser356
Accession	Q92185
Calculated Molecular Weight	36.2 kDa
Observed molecular weight	48 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

α-N-Acetylneuraminide α-2,8-Sialyltransferase (ST8SIA1) belongs to the glycosyltransferase 29 family. ST8SIA1 is a sialyltransferase that catalyzes the transfer of sialic acid from CMP-sialic acid to GM3 to produce GD3 and GT3. ST8SIA1 is highly expressed in melanoma cell lines, adult and fetal brain, low expressed in adult and fetal lung. ST8SIA1

For Research Use Only

may act as a type II transmembrane protein with a short N-terminal cytoplasmic domain and a single-pass transmembrane domain followed by an enzymatic domain in the lumen of the Golgi apparatus.