Recombinant Human ST8SIA1 Protein (His Tag)

Catalog Number: PKSH033251

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

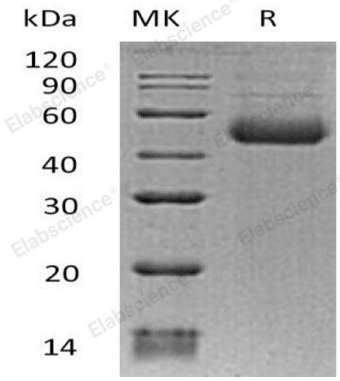
Description

Species	Human
Source	HEK293 Cells-derived Human ST8SIA1 protein Tyr49-Ser356, with an C-terminal His
Mol_Mass	36.2 kDa
Accession	Q92185
Bio-activity	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 sialytransferase 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 may act as a type II transmembrane protein with a short N-termianl cytoplasmic domain and a single-pass transmembrane domain folowed by an enzymatic domain in the lument of the Golgi apparatus.