

## Recombinant Human ST8SIA1 Protein, His-tagged

Cat. No. ST8SIA1-707H    Lot. No. (See product label)

### SPECIFICATION

|                      |                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview     | Recombinant human ST8SIA1 (NP_003025.1) (Thr49-Ser356) was expressed with a polyhistidine tag at the C-terminus.                                          |
| Species              | Human                                                                                                                                                     |
| Source               | HEK293                                                                                                                                                    |
| ProteinLength        | 49-356 a.a.                                                                                                                                               |
| Predicted N Terminal | Tyr 49                                                                                                                                                    |
| Form                 | Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.                                                                                     |
| Molecular Mass       | The recombinant human ST8SIA1 consists 319 amino acids and predicts a molecular mass of 36.6 kDa.                                                         |
| Endotoxin            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                           |
| Purity               | >95 % as determined by SDS-PAGE.                                                                                                                          |
| Stability            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                 |
| Storage              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**
**Gene Name**

ST8SIA1 ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 [ Homo sapiens ]

**Official Symbol**

ST8SIA1

**Synonyms**

ST8SIA1; ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1; sialyltransferase 8 (alpha N acetylneuraminate: alpha 2,8 sialyltransferase, GD3 synthase) A , SIAT8, SIAT8A; alpha-N-acetylneuraminide alpha-2,8-sialyltransferase; ST8Sia I; ganglioside GD3 synthase; ganglioside GT3 synthase; sialyltransferase St8Sia I; alpha-2,8-sialyltransferase 8A; disialoganglioside (GD3) synthase; ganglioside-specific alpha-2,8-polysialyltransferase; sialyltransferase 8 (alpha-N-acetylneuraminate: alpha-2,8-sialyltransferase, GD3 synthase) A; sialyltransferase 8A (alpha-N-acetylneuraminate: alpha-2,8-sialyltransferase, GD3 synthase); GD3S; SIAT8; SIAT8A; SIAT8-A; ST8Sial;

**Gene ID**

6489

**mRNA Refseq**

NM\_003034

**Protein Refseq**

NP\_003025

**MIM**

601123

**UniProt ID**

Q92185

**Chromosome**

12p12.1-p11.2

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**Location****Pathway**

Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, conserved biosystem; Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem;

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