

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  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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