

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.

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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 \(alpha N acetylneuraminate: alpha 2,8 sialytransferase, GD3 synthase\) A](#) , [SIAT8](#), [SIAT8A](#); [alpha-N-acetylneuraminide alpha-2,8-sialyltransferase](#); [ST8Sia I](#); [ganglioside GD3 synthase](#); [ganglioside GT3 synthase](#); [sialytransferase St8Sia I](#); [alpha-2,8-sialyltransferase 8A](#); [disialoganglioside \(GD3\) synthase](#); [ganglioside-specific alpha-2,8-polysialyltransferase](#); [sialyltransferase 8 \(alpha-N-acetylneuraminate: alpha-2,8-sialytransferase, GD3 synthase\) 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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