

## Recombinant Human ST8SIA1, His-tagged

Cat. No. ST8SIA1-2982H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ST8SIA1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	39-136aa
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

<b>Gene Name</b>	ST8SIA1 ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 [ Homo sapiens ]
<b>Official Symbol</b>	ST8SIA1
<b>Synonyms</b>	ST8SIA1; ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1; sialyltransferase 8 (alpha N acetylneuraminic acid: alpha 2,8 sialyltransferase, GD3 synthase) A , SIAT8, SIAT8A; alpha-N-acetylneuraminide alpha-2,8-sialyltransferase;

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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 Location** 12p12.1-p11.2

**Pathway** Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, organism-specific biosystem; Glycosphingolipid biosynthesis - ganglio series, conserved biosystem; Glycosphingolipid biosynthesis - globo series

**Function** alpha-N-acetylneuraminate alpha-2,8-sialyltransferase activity; sialyltransferase activity; transferase activity, transferring glycosyl groups;

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