

## Recombinant Human ST8SIA1 Protein (AA 50-356), N-6xHis/GFP tagged

Cat. No. ST8SIA1-19H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ST8SIA1 Protein (AA 50-356) with N-6xHis/GFP tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	AA 50-356
<b>Description</b>	Gangliosides are membrane-bound glycosphingolipids containing sialic acid. Ganglioside GD3 is known to be important for cell adhesion and growth of cultured malignant cells. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to GM3 to produce gangliosides GD3 and GT3. The encoded protein may be found in the Golgi apparatus and is a member of glycosyltransferase family 29. Alternatively spliced transcript variants have been found for this gene.
<b>Molecular Mass</b>	~70 kDa
<b>AA Sequence</b>	RLPNEKEIVQGVLQQGTAWRRNQTAARAFRKQMEDCCDPAHLFAMTKMNSPMGK SMWYDGEFLYSFTIDNSTYSLFPQATPFQLPLKKCAVVGNGGILKKSGCGRQIDEAN FVMRCNLPPLSSEYTKDVGSKSQLVTANPSIIRQRFQNLLWSRKTFFVDNMKIYNHSYI YMPAFSMKTGTEPSLRVYYTLSDVGANQTVLFANPNFLRSIGKFWKSRGIHAKRLST GLFLVSAALGLCEEVAIYGFWPFSVNMHEQPISHHYYDNLVLPFSGFHAMPEEFLQL

 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

WYLHKIGALRMQLDPCEDTSLQPTS

**Purity** >95%, by SDS-PAGE as visualized by Coomassie Blue Staining

**Stability** 6 months if stored at -80 centigrade. Avoid repeated freeze thaws.

**Concentration** 1 mg/mL

**Storage Buffer** Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.

**Preservative** 0.05 % NaN<sub>3</sub>

**Shipping** This product is shipped as 0.2µm filtered product on dry ice.

## GENE INFORMATION

**Gene Name** [ST8SIA1](#) ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 [ Homo sapiens (human) ]

**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; 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-sialytransferase, GD3 synthase) A; sialyltransferase 8A (alpha-N-acetylneuraminate: alpha-2,8-sialyltransferase, GD3 synthase); GD3S; SIAT8; SIAT8A; SIAT8-A; ST8Sial;

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Gene ID	6489
mRNA Refseq	NM_003034
Protein Refseq	NP_003025
MIM	601123
UniProt ID	Q92185

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