

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

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

SPECIFICATION

Product Overview	Recombinant Human ST8SIA1 Protein (AA 50-356) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 50-356
Description	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.
Molecular Mass	~70 kDa
AA Sequence	RLPNEKEIVQGV LQQGTAWRRNQTAARA FRKQMEDCCDPAHLFAMTKMNSPMGK SMWYDGEFLYSFTIDNSTYSLFPQATPFQLPLKKCAVVGNGGILKKSGCGRQIDEAN FVMRCNLPLLSSEYTKDVGSKSQLVTANPSIIRQRFQNL LWSRKT FVDNMKIYNHSYI YMPAFSMKTGT EPSLRVYYTLSDVGANQTVLFANPNFLRSIGKFWKSRGIHAKRLST GLFLVSAALGLCEEVAIYGFWPFSVNMHEQPISHHYDNLVLPFSGFHAMPEEFLQL

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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 % NaN₃

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 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;

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