

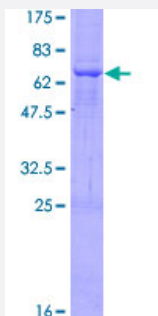
Full-Length

ST8SIA2 (Human) Recombinant Protein (P01)

Catalog # H00008128-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ST8SIA2 full-length ORF (AAH96205.1, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQLQFRSWMLAALTLLVVFLIFADISEIEEEEIGAEEVINGSSSPAVVDRSNESIKHNIQPASSKWRH
 NQTLRLRIRKQILKFSDAEKDISVLKGTLPKPGDIIHYFDRDSTMNVSQNLIELLPRTSPLKNKHFGTC
 AVGNISGVLLNSGCGQEIDAHSFVIRCNLAPVQEYARDVGLKTDLVTMNPVSIQRAFEDLVNATWR
 EKLLQRLHSLNGSILWIPAFMARGGKERVEWVNEILKHHVNVRTAYPSLRLLHAVRGYWLTKNVH
 IKRPTTGILLMYLATRFCKQMLYGFWPFPDQNNQNPVKYHYDLSKYGYSQASPHTMPLEFKALK
 SLHEQGALKLTVGQCDGAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ST8SIA2

Entrez GeneID [8128](#)

GeneBank Accession# [BC096205.3](#)

Protein Accession# [AAH96205.1](#)

Gene Name ST8SIA2

Gene Alias HsT19690, MGC116854, MGC116857, SIAT8B, ST8SIA-II, STX

Gene Description ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2

Omim ID [602546](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a type II membrane protein that is thought to catalyze the transfer of sialic acid from CMP-sialic acid to N-linked oligosaccharides and glycoproteins. The encoded protein may be found in the Golgi apparatus and may be involved in the production of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). This protein is a member of glycosyltransferase family 29. [provided by RefSeq]

Other Designations alpha-2,8-sialyltransferase 8B|sialyltransferase 8 (alpha-2, 8-sialyltransferase) B|sialyltransferase 8B|sialyltransferase X

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)