

Full-Length

ST8SIA5 (Human) Recombinant Protein (P01)

Catalog # H00029906-P01

Size 50 ug

Specification

Product Description	Human ST8SIA5 full-length ORF (BAG51661.1, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRYADPSANRDLLGSRTLLFIFICAFALVTLLQQILYGRNYKRYFEFYEGPFEYNSTRCLELRHEILE VKVLSMVKQSELFDRWKS LQMCKWAMNISEANQFKSTLSRCCNAPAFLLTTQKNTPLGTLKLYE VDTSGIYHINQEIFRMFPKDMPIYRSQFKKCAVVGNNGILKNSRCGREINSADFVFRCLNPPISEKY TMDVGVKTDVVTNPSIITERFHKLEKWRPFPYRVLQVYENASVLLPAFYNTRNTDVSIRVKYVLD DFESPQAVYYFHPQYLVNVSRYWLSLGVRAKRISTGLILVTAALELCEEVHLFGFWAFPMNPSGLY ITHHYDENVKPRPGFHAMPSEIFNFLHLHSRGILRVHTGTCSCC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	70.3
Interspecies Antigen Sequence	Mouse (78); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — ST8SIA5

Entrez GeneID	29906
GeneBank Accession#	AK056270.1
Protein Accession#	BAG51661.1
Gene Name	ST8SIA5
Gene Alias	MGC119670, MGC119671, SIAT8E, ST8SiaV
Gene Description	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5
Omim ID	607162
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type II membrane protein that may be present in the Golgi apparatus. The encoded protein, which is a member of glycosyltransferase family 29, may be involved in the synthesis of gangliosides GD1c, GT1a, GQ1b, and GT3 from GD1a, GT1b, GM1b, and GD3, respectively. [provided by RefSeq]
Other Designations	alpha-2,8-sialyltransferase 8E sialyltransferase 8E (alpha-2, 8-polysialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)