

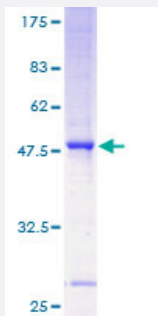
Full-Length

ST8SIA4 (Human) Recombinant Protein (P01)

Catalog # H00007903-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ST8SIA4 full-length ORF (AAH27866, 1 a.a. - 168 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRSIRKKWTICTISLLLIFYKTKEIARTEEHQETQLIGDGELSLSRSLVNSSDKIIRKAGSSIFQHNVEG WKINSSLVLEIRKNILRFLDAERDVSVVKSSFKPGDVIHYVLD RRRRTL NISHDLHSL LPEVSPMKNR RFKTCAVVGNSGILLDSECGKEIDSHNFVIR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.22
Interspecies Antigen Sequence	Mouse (96); Rat (95)
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 — ST8SIA4

Entrez GeneID [7903](#)

GeneBank Accession# [BC027866](#)

Protein Accession# [AAH27866](#)

Gene Name ST8SIA4

Gene Alias MGC34450, MGC61459, PST, PST1, SIAT8D, ST8SIA-IV

Gene Description ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4

Omim ID [602547](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the polycondensation of alpha-2,8-linked sialic acid required for the synthesis of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). The encoded protein, which is a member of glycosyltransferase family 29, is a type II membrane protein that may be present in the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations CMP-N-acetylneuraminate-poly-alpha-2,8-sialyl transferase|alpha-2,8-sialyltransferase 8D|polysialyltransferase-1|sialyltransferase 8 (alpha-2, 8-polysialyltransferase) D|sialyltransferase 8D (alpha-2, 8-polysialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hypertension](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)