

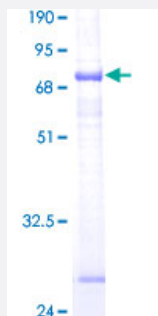
Full-Length

ST6GALNAC6 (Human) Recombinant Protein (P02)

Catalog # H00030815-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ST6GALNAC6 full-length ORF (AAH06564, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MACSRPPSQCEPTSLPPGPPAGRRHLPLSRRRREMSSNKEQRSVVFILFALITILLYSSNSANE
VFHYGSLRGRSRRPVNLKKWSITDGYVILGNKTLPSRCHQCVVSSSSHLLGTLGPEIERAECTI
RMNDAPTTGYSADVGNKTTYRVVAHSSVFRVLRRPQEFVNRTPETVFIFWGPPSKMQKPQGSLV
RVIQRAGLVFPNMEAYAVSPGRMRQFDDLFRGETGKDREKSHSWLSTGWFTMVIARELCDHVV
VYGMVPPNYCSQRPRQLRMPYHYEYKGPDECVTYIQNEHSRKGNNHHRFITEKRVFSSWAQLYGI
TFSHPSWT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.37

Interspecies Antigen Sequence

Mouse (93); 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 — ST6GALNAC6

Entrez GeneID[30815](#)**GeneBank Accession#**[BC006564](#)**Protein Accession#**[AAH06564](#)**Gene Name**

ST6GALNAC6

Gene Alias

RP11-203J24.3, SIAT7F, ST6GALNACVI

Gene Description

ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyl transferase 6

Omim ID[610135](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

ST6GALNAC6 belongs to a family of sialyltransferases that modify proteins and ceramides on the cell surface to alter cell-cell or cell-extracellular matrix interactions (Tsuchida et al., 2003 [PubMed 12668675]).[supplied by OMIM]

Other Designations

CMP-NeuAC:(beta)-N-acetylgalactosaminide (alpha)2,6-sialyltransferase member VI|OTTHUMP 00000022211|sialyltransferase 7 ((alpha-N-acetylneuraminy 2,3-betagalactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) F

Pathway

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