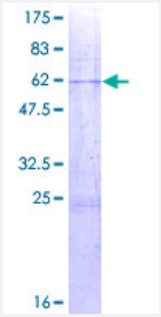
Full-Length

ST6GALNAC4 (Human) Recombinant Protein (P01)

Catalog # H00027090-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ST6GALNAC4 full-length ORF (NP_778204.1, 1 a.a. - 302 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKAPGRLVLIILCSVVFSAVYILLCCWAGLPLCLATCLDHHFPTGSRPTVPGPLHFSGYSSVPDGK PLVREPCRSCAVVSSSGQMLGSGLGAEIDSAECVFRMNQAPTVGFEADVGQRSTLRVVSHTSV PLLLRNYSHYFQKARDTLYMVWGQGRHMDRVLGGRTYRTLLQLTRMYPGLQVYTFTERMMAYCD QIFQDETGKNRRQSGSFLSTGWFTMILALELCEEIVVYGMVSDSYCREKSHPSVPYHYFEKGRLD ECQMYLAHEQAPRSAHRFITEKAVFSRWAKKRPIVFAHPSWRTE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.6
Interspecies Antigen Sequence	Mouse (89); Rat (88)
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 — ST6GALNAC4

Entrez GeneID	27090
GeneBank Accession#	NM_175039.3
Protein Accession#	NP_778204.1
Gene Name	ST6GALNAC4
Gene Alias	SIAT3C, SIAT7D, ST6GALNACIV
Gene Description	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4
Omim ID	606378
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-alpha-2, 6-sialyltransferase alpha2,6-sialyltransferase|NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-alpha-2,6-sialyltransferase IV|OTTHUMP00000022223|sialyltransferase 3C|sialyltransferase 7D|sialyltransferase 7D ((alpha-N-acet

Pathway

- Glycosphingolipid biosynthesis - ganglio series
- Metabolic pathways