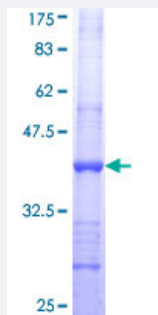


ST3GAL4 (Human) Recombinant Protein (Q01)

Catalog # H00006484-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ST3GAL4 partial ORF (NP_006269, 31 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FYFPIPEKKEPCLQGEAESKASKLFGNYSRDQPIFLRLDYFWVKTPSAYELPYGTKGSEDLLLRV LAITSSSIPKNIQSLRCRRCVVVGNGHRLRNSSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (84); Rat (84)
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 — ST3GAL4

Entrez GeneID	6484
GeneBank Accession#	NM_006278
Protein Accession#	NP_006269
Gene Name	ST3GAL4
Gene Alias	CGS23, FLJ11867, FLJ46764, NANTA3, SAT3, SIAT4, SIAT4C, ST3GalIV, STZ
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 4
Omim ID	104240
Gene Ontology	Hyperlink
Gene Summary	Synthesis of alpha-2,3-linked sialic acid to Gal(beta-1,3)GalNAc is mediated by at least 3 distinct beta-galactoside alpha-2,3-sialyltransferases (EC 2.4.99.4), including ST3GAL4. In contrast, only a single gene encodes the beta-galactoside alpha-2,6-sialyltransferase (EC 2.4.99.1), ST6GAL1 (MIM 109675) (Chang et al., 1995 [PubMed 7655169]).[supplied by OMIM]
Other Designations	alpha-3-N-acetylneuraminyltransferase sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase) sialyltransferase 4C (beta-galactoside alpha-2,3-sialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Tobacco Use Disorder](#)