

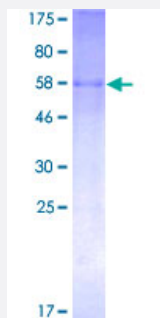
Full-Length

ST3GAL2 (Human) Recombinant Protein (P01)

Catalog # H00006483-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ST3GAL2 full-length ORF (AAH36777, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKCSLRVWFLSVAFLLVFIMSLIFTYSHHSMATLPYLD SGALDGTHRVLVPGYAGLQRLSKERL
SGKSCACRRRCMGDAGASDWFD SHFDGNISPVWTRENMDLPPDVQRWWMLQPQFKSHNTNE
VLEKLFQIVPGENPYRFRDPHQCRRCVVGN SGNLRGSGYGQDVGHNFMIRMNQAPT VGFEQ
DVGSRTHHFMYPE SAKNLPANVSFVLVPFKVLDLLWIASALSTGQIRFTYAPVKSFLRVDKEKVQ
YNPAFFKYIHDRWTEHHGRYPSTGMLVLFFALHVCDEVN VYGFADSRGNWHHYWENNRYAGE
FRKTGVHDADFEAHIIDMLAKASKIEVYRGN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.24

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 — ST3GAL2

Entrez GeneID [6483](#)

GeneBank Accession# [BC036777](#)

Protein Accession# [AAH36777](#)

Gene Name ST3GAL2

Gene Alias Gal-NAc6S, SIAT4B, ST3GALII, ST3GalA.2

Gene Description ST3 beta-galactoside alpha-2,3-sialyltransferase 2

Omim ID [607188](#)

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 is normally found in the Golgi but can be proteolytically processed to a soluble form. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4A. [provided by RefSeq]

Other Designations CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase|Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase|alpha 2,3-ST|beta-galactoside alpha-2,3-sialyltransferase|sialyltransferase 4B (beta-galactosidase alpha-2,3-sialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Glycosphingolipid biosynthesis - globo series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)