

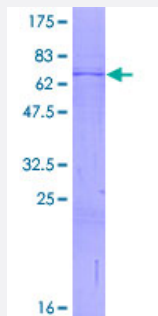
Full-Length

ST3GAL3 (Human) Recombinant Protein (P01)

Catalog # H00006487-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ST3GAL3 full-length ORF (NP_777624.1, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLLVFVRNLLLALCLFLVLGFLYSAWKLHLLQWEEDSSKYSHSSSPQEKPVADSVVLSFDSA
GQTLGSEYDRLGFLNLD SKLPAELATKYANFSEGACKPGYASALMTAIFPRFSKPAPMFLDDSF
RKWARIREFVPPFGIKGQDNLIKILSVTKEYRLTPALDSLRCRRCIIVGNGGVLANKSLGSRIDDYDI
VVRNLSAPVKGFEKDVGSKTTLRITYPEGAMQRPEQYERDSLFLAGFKWQDFKWLKYIVYKERV
SASDGFWKS VATRVPKEPPEIRILNPYFIQEA AFTLIGLPFNNGLMGRGNIPTLGSAVATMALHGCD
EVAVAGFGYDMSTPNAPLHYETVRMAAIKESWTHNIQREKEFLRKLVKARVITDLSSGI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.2

Interspecies Antigen Sequence

Mouse (93); Rat (93)

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 — ST3GAL3

Entrez GeneID[6487](#)**GeneBank Accession#**[NM_174964.1](#)**Protein Accession#**[NP_777624.1](#)**Gene Name**

ST3GAL3

Gene Alias

SIAT6, ST3GALII, ST3GalIII, ST3N

Gene Description

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

Omim ID[606494](#)**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 apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase|Gal beta-1,3(4)GlcNAc alpha-2,3 sialyltransferase|OTTHUMP00000008811|OTTHUMP00000008812|OTTHUMP00000008820|OTTHUMP00000008821|OTTHUMP00000008822|OTTHUMP00000008823|ST3Gal I||alpha 2

Pathway

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

Disease

- [Tobacco Use Disorder](#)