

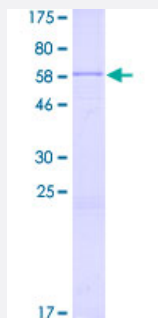
Full-Length

A4GALT (Human) Recombinant Protein (P01)

Catalog # H00053947-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human A4GALT full-length ORF (NP_059132.1, 1 a.a. - 353 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSKPPDLLLRLLRGAPRQRVCTLFIGFKFTFFVSIMYWHVVGEPEKEGQLYNLPAEIPCPTLTPPT
PPSHGPTPGNIFFLETSDRTNPNFLMCSVESAAARTHPESHVLVLMKGLPGGNASLPRHLGISLLS
CFPNVQMLPLDLRELFRTDPLADWYAAVQGRWEPYLLPVLSDASRIALMWKFGGYLDTFIVLK
NLRNLTNVLGTQSRVYLNGAFLAFERRHEFMALCMRDFVDHYNGWWGHQGPQLLTRVFKKWC
SIRSLAESRACRGVTTLPEAFYPIPWQDWKKYFEDINPEELPRLLSATYAVHVWNKKSQGTRFE
ATSRALLAQLHARYCPTTHEAMKMYL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.9

Interspecies Antigen Sequence

Rat (80)

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 — A4GALT

Entrez GeneID[53947](#)**GeneBank Accession#**[NM_017436.4](#)**Protein Accession#**[NP_059132.1](#)**Gene Name**

A4GALT

Gene Alias

A14GALT, A4GALT1, P1, PK

Gene Description

alpha 1,4-galactosyltransferase

Omim ID[111400 607922](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene catalyzes the transfer of galactose to lactosylceramide to form globotriaosylceramide, which has been identified as the P(k) antigen of the P blood group system . The encoded protein, which is a type II membrane protein found in the Golgi, is also required for the synthesis of the bacterial verotoxins receptor. [provided by RefSeq]

Other Designations

CD77 synthase|GB3 synthase|P blood group (P one antigen)|P(k) antigen synthase|P1/Pk synthase|UDP-galactose:beta-D-galactosyl-beta 1-R 4-alpha-D-galactosyltransferase|alpha-1,4-N-acetyl glucosaminyltransferase|alpha4Gal-T1|globotriaosylceramide synthase|lac

Pathway

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

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)