

Product Information

MemDX™ Membrane Protein Human A4GALT (Alpha 1,4-galactosyltransferase (P blood group)) Full Length

Cat. No.: **MPC3729K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human A4GALT membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

A4GALT

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MSKPPDLLLRLLRGAPRQRVCTLFIIQFKFTFFVSIMYWHVVGEPKEKG
QLYNLPAEIPCPTLTPPTPPSHGPTPGNIFFLETSDRTNPNFLFMC SVES
AARTHPESHVLVLMKGLPGGNASLPRHLGISLLSCFPNVQMLPLDLRELF
RDTPLADWYAAVQGRWEPYLLPVLSASRIALMWKFGGIYLDTDFIVLKN
LRNLTNVLGTQSRVYLNAGLAFLAFERRHEFMALCMRDFVDHYNGWIWGHQG
PQLLTRVFKKWC SIRSLAESRACRGVTTLPPEAFYPIPWQDWKKYFEDIN
PEELPRLLSATYAVHVWNKKSQGRFEATSRALLAQLHARYCPTTHEAMK
MYL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

A4GALT

Full Name

Alpha 1,4-galactosyltransferase (P blood group)

Introduction

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. This protein, a type II membrane protein found in the Golgi, is also required for the synthesis of the bacterial verotoxins receptor. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

A4GALT; P1; PK; Gb3S; P(k); P1PK; A14GALT; A4GALT1; lactosylceramide 4-alpha-galactosyltransferase; CD77 synthase; GB3 synthase; P blood group (P one antigen); P one antigen (P blood group); P(k) antigen synthase; P1/Pk synthase; UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase; alpha 14-galactosyltransferase; alpha-1,4-N-acetylglucosaminyltransferase; alpha-1,4-galactosyltransferase; alpha4Gal-T1; globotriaosylceramide synthase; truncated alpha 1,4-galactosyltransferase; Alpha 1,4-galactosyltransferase (P blood group)

Gene ID

[53947](#)

UniProt ID

[Q9NPC4](#)