

Recombinant Human A4GALT Protein, GST-tagged

Cat. No. A4GALT-005H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human A4GALT partial ORF (NP_059132, 254 a.a. - 353 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. [provided by RefSeq, Dec 2015]
Molecular Mass	36.74 kDa
AA Sequence	LTRVFKKWCSIRSLAESRACRGVTTLPPEAFYPIPWQDWKKYFEDINPEELPRLLSA TYAVHVWNKKSQGTRFEATSRALLAQLHARYCPTTHEAMKMYL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [A4GALT alpha 1,4-galactosyltransferase \[Homo sapiens \]](#)

Official Symbol [A4GALT](#)

Synonyms

A4GALT; alpha 1,4-galactosyltransferase; alpha 1,4 galactosyltransferase (globotriaosylceramide synthase, P blood group); lactosylceramide 4-alpha-galactosyltransferase; A14GALT; CD77 synthase; Gb3 synthase; Gb3S; globotriaosylceramide synthase; P(k); GB3 synthase; alpha4Gal-T1; P1/Pk synthase; P(k) antigen synthase; P blood group (P one antigen); alpha-1,4-N-acetylglucosaminyltransferase; UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase; P1; PK; A4GALT1;

Gene ID [53947](#)

mRNA Refseq [NM_017436](#)

Protein Refseq [NP_059132](#)

MIM [607922](#)

UniProt ID [Q9NPC4](#)

12.5% SDS-PAGE Stained with Coomassie Blue.

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