Recombinant Human GCNT2 Protein, GST-tagged

Cat. No. GCNT2-4805H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GCNT2 full-length ORF (NP_663630.2, 1 a.a. - 402 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes the enzyme responsible for formation of the blood group I antigen. The i and I antigens are distinguished by linear and branched poly-N-acetyllactosaminoglycans, respectively. The encoded protein is the I-branching enzyme, a beta-1,6-N-acetylglucosaminyltransferase responsible for the conversion of fetal i antigen to adult I antigen in erythrocytes during embryonic development. Mutations in this gene have been associated with adult i blood group phenotype. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq
Molecular Mass	72.9 kDa
AA Sequence	MNFWRYCFFAFTLLSVVIFVRFYSSQLSPPKSYEKLNSSSERYFRKTACNHALEKMP VFLWENILPSPLRSVPCKDYLTQNHYITSPLSEEEAAFPLAYVMVIHKDFDTFERLFR AIYMPQNVYCVHVDEKAPAEYKESVRQLLSCFQNAFIASKTESVVYAGISRLQADLN CLKDLVASEVPWKYVINTCGQDFPLKTNREIVQHLKGFKGKNITPGVLPPDHAIKRTK YVHQEHTDKGGFFVKNTNILKTSPPHQLTIYFGTAYVALTRDFVDFVLRDQRAIDLLQ WSKDTYSPDEHFWVTLNRVSGVPGSMPNASWTGNLRAIKWSDMEDRHGGCHGH YVHGICIYGNGDLKWLVNSPSLFANKFELNTYPLTVECLELRHRERTLNQSETAIQPS

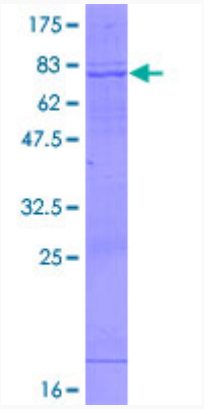
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	WYF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid 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	GCNT2 glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Homo sapiens]
Official Symbol	GCNT2
Synonyms	GCNT2; glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group); cataract, congenital, CCAT, GCNT5, glucosaminyl (N acetyl) transferase 2, I branching enzyme, glucosaminyl (N acetyl) transferase 2, I branching enzyme (Ii blood group), glucosaminyl (N acetyl) transferase 5, II, NACGT1; N-acetyllactosaminide beta-1,6-N-acetylglucosaminyl-transferase; bA360O19.2; bA421M1.1; IGNT; Ii blood group; NAGCT1; ULG3; unassigned linkage group 3; I beta-1,6-N-acetylglucosaminyltransferase; beta-1,6-N-acetylglucosaminyltransferase 2; II; CCAT; GCNT5; GCNT2C; NACGT1; MGC163396;
Gene ID	2651

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mRNA Refseq	NM_001491
Protein Refseq	NP_001482
MIM	600429
UniProt ID	Q06430
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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