

Recombinant Human GCNT2 Protein, MYC/DDK-tagged

Cat. No. GCNT2-667H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GCNT2, transcript variant 3, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 (li blood group) , glucosaminyl (N acetyl) transferase 5 , II, NACGT1; N-acetyllactosaminide beta-1,6-N-acetylglucosaminyl-transferase; bA360O19.2; bA421M1.1; IGNT; li 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
mRNA Refseq	NM_145655
Protein Refseq	NP_663630
MIM	600429
UniProt ID	Q06430

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