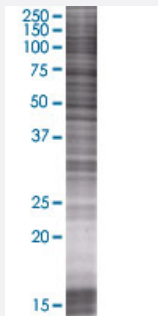


GCNT2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002651-T01

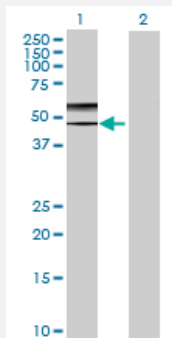
Size 100 uL

Applications



SDS-PAGE Gel

GCNT2 transfected lysate.



Western Blot

Lane 1: GCNT2 transfected lysate (44.33 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GCNT2 full-length
Host	Human
Theoretical MW (kDa)	44.33
Interspecies Antigen Sequence	Mouse (77); Rat (74)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GCNT2 antibody ([H00002651-B01](#)) by Western Blots.
SDS-PAGE Gel
GCNT2 transfected lysate.
Western Blot
Lane 1: GCNT2 transfected lysate (44.33 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GCNT2

Entrez GeneID[2651](#)**GeneBank Accession#**[NM_145655.3](#)**Protein Accession#**[NP_663630.2](#)**Gene Name**

GCNT2

Gene Alias

CCAT, GCNT2C, GCNT5, IGNT, II, MGC163396, NACGT1, NAGCT1, ULG3, bA360O19.2, bA421M1.1

Gene Description

glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)

Omim ID[110800 212500 600429](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

I beta-1,6-N-acetylglucosaminyltransferase|I-branching beta-1,6-acetylglucosaminyltransferase|li b
lood group|N-acetyllactosaminide beta-1,6-N-acetylglucosaminyltransferase|OTTHUMP0000001
6015|OTTHUMP00000016018|OTTHUMP00000016021|beta-1,6-N-acetylglucosami

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)