SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

# Product Information

## MemDX™ Membrane Protein Human GCNT2 (Glucosaminyl (N-acetyl) transferase 2 (I blood group) ) for Antibody Discovery

Cat. No.: **MP0966J**
This product is for research use only and is not intended for diagnostic use.

This product is a 46.4 kDa Human GCNT2 membrane protein expressed in HEK293T. 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**
GCNT2

**Protein Length**
Full-length

**Protein Class**
Druggable Genome, Transmembrane

**Molecular Weight**
46.4 kDa

**TMD**
1

**Sequence**
MNFWRYCFFAFTLLSVVIFVRFYSSQLSPPKSYEKLNSSSERYFRKTACNHALEKMPVFLWENILPSPLR
SVPCKDYLTQNHYITSPLSEEEAAFPLAYVMVIHKDFDTFERLFRAIYMPQNVYCVHVDEKAPAEYKESV
RQLLSCFQNAFIASKTESVVYAGISRLQADLNCLKDLVASEVPWKYVINTCGQDFPLKTNREIVQHLKGF
KGKNITPGVLPPDHAIKRTKYVHQEHTDKGGFFVKNTNILKTSPPHQLTIYFGTAYVALTREFVDFVLRD
QRAIDLLQWSKDTYSPDEHFWVTLNRVSGVPGSMPNASWTGNLRAIKWSDMEDRHGGCHGHYVHGICIYG
NGDLKWLVNSPSLFANKFELNTYPLTVECLELRHRERTLNQSETAIQPSWYF

## Product Description

**Expression Systems**
HEK293T

**Tag**
C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

## Target

**Target Protein**

GCNT2

**Full Name**

Glucosaminyl (N-acetyl) transferase 2 (I blood group)

**Introduction**

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.

**Alternative Names**

II; CCAT; IGNT; ULG3; GCNT5; GCNT2C; NACGT1; NAGCT1; CTRCT13; bA421M1.1; bA360O19.2

**Gene ID**

2651

**UniProt ID**

Q8N0V5