

Product Information

MemDX™ Membrane Protein Human GANAB (Glucosidase II alpha subunit) for Antibody

Discovery

Cat. No.: **MP1112J**

This product is for research use only and is not intended for diagnostic use.

This product is a 106.7 kDa Human GANAB 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

GANAB

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

106.7 kDa

Sequence

MAAVAAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGLSPYRALLDSLQLG
PDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRVPDVLVADPPIARLSVSGRDENSVEL
TMAEGPYKIILTARPFRLDLEDRLSVNARGLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDK
PEETQGKAEKDEPGAWEEFTKTHSDSKPYGPMSVGLDFSLPGMEHVYGIPEHADNLRKLVTEGGEPYRLY
NLDVFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAAEWVDISSNTAGKTLFGKMMDYLQGSGETPQ
TDVRWMSETGIIDVFLLGPSISDVFRQYASLTGTQALPPLFSLGYHQSRWNYRDEADVLEVDQGFDDHN
LPCDVIWLDIEHADGKRYFTWDPSRFPQPRTMLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNGLYV
KTRDGSDEYEGWCWPGSAGYPDTNPTMRAWWANMFSYDNYEGSAPNLFVWNDMNEPSVFNGPEVTMLKDA
QHYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLARAFFAGSQRFGAVWTGDNTAEWDHLKISI
PMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQPFFRAHAHLDTGRREPWLLPSQHNDIIRDA
LGQRYSLLPFWYTLTYQAHREGIPVMRPLWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLP
GQGEVWYDIQSYQKHHGPQTLYLPVTLSSIPVFQRGGTIVPRWVRRSSECMKDDPITLFVALSPQGTA
QGELFLDDGHTFNYQTRQEFLLRRFSFSGNTLVSSSADPEGHFETPIWIERVVIIGAGKPAAVVLQTKGS
PESRSLFQHDPETSVLVLRLKPGINVASDWSIHLR

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**

GANAB

Full Name

Glucosidase II alpha subunit

Introduction

This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase II plays a role in protein folding and quality control by cleaving glucose residues from immature glycoproteins in the endoplasmic reticulum. Expression of the encoded protein is elevated in lung tumor tissue and in response to UV irradiation. Mutations in this gene cause autosomal-dominant polycystic kidney and liver disease.

Alternative Names

G2AN; GIIA; PKD3; GLUII

Gene ID

[23193](#)

UniProt ID

[Q14697](#)