

Recombinant Human GANAB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GANAB-5500H Lot. No. (See product label)

SPECIFICATION

Product Overview

GANAB MS Standard C13 and N15-labeled recombinant protein (NP_938148) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

106.7 kDa

AA Sequence

MAVAAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGL
 SPYRALLDSLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV
 PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRSLLLSVNAR
 GLLFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKPEETQGKAEKDEPGAWE
 ETFKTHSDSKPYGPMVGLDFSLPGMEHVYGIPEHADNLRRLKVTEGGEPYRLYNLD
 VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAAETWVDISSNTAGKTLFGKMM
 DYLGSGGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY

 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

HQSRWNYRDEADVLEVDQGFDDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT
 MLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNLGLYVKTRDGSYEGWCWPGSA
 GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWVNDMNEPSVFNGPEVTMLKDAQ
 HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLARAFFAGSQRFGAVW
 TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
 FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLTYQAHREGIPVMRP
 LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGQGEVWYDIQSYQ
 KHHGPQTLYLPVTLSSIPVFQRGGTIVPRWMRVRRSSECMKDDPITLFFVALSPQGTA
 QGELFLDDGHTFNYQTRQEFLRRFSFSGNTLVSSSADPEGHFETPIWIERVVIIGAG
 KPAAVVLQTKGSPESRSLSFQHDPETSVLVLRKPGINVASDWSIHLRTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GANAB glucosidase II alpha subunit [Homo sapiens (human)]

Official Symbol GANAB

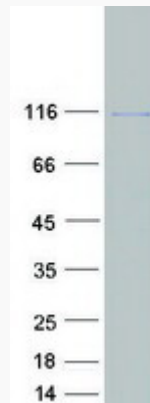
Synonyms GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; Glull; KIAA0088; alpha-glucosidase 2; glucosidase II subunit alpha; alpha glucosidase II

 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

alpha subunit; GLUII;

Gene ID 23193**mRNA Refseq** NM_198334**Protein Refseq** NP_938148**MIM** 104160**UniProt ID** Q14697**SDS-PAGE** 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