

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 SPYRALLDLSLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRLLSVSNAR GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKPEETQGKAEKDEPGAW ETFKTHSDSKPYGPM SVGLDFSLPGMEHVYGIPEHADNLR LKVTEGGEPYRLYNLD VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWL NAAETWVDISSNTAGKTLFGKMM DYLQGSGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY

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HQSRWNYRDEADVLEVDQGFDDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT
MLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNLGLYVKTRDGS DYEGWCWPGSA
GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWNDMNESVFNGPEVTMLKDAQ
HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFV LARAFFAGSQRFGAVW
TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLLYQAHREGIPVMRP
LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGGEVWYDIQSYQ
KHHGPQTLYL PVTLS SIPVFQ RGGTIVPRWMRVRRSSECMKDDPITLFVALSPQGT A
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

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alpha subunit; GLUII;

Gene ID [23193](#)

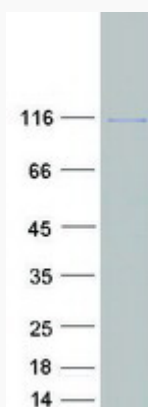
mRNA Refseq [NM_198334](#)

Protein Refseq [NP_938148](#)

MIM [104160](#)

UniProt ID [Q14697](#)

SDS-PAGE



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