

Recombinant Human GANAB Protein, GST-tagged

Cat. No. GANAB-4719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GANAB full-length ORF (NP_938148.1, 1 a.a. - 944 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2016]
Molecular Mass	133.3 kDa
AA Sequence	MAVAAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGL SPYRALLDLSLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRLLSVSNAR GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKEETQGKAEKDEPGAW ETFKTHSDSKPYGPMVGLDFSLPGMEHVYGIPEHADNLRKLVTEGGEPYRLYNLD VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAAETWVDISSNTAGKTLFGKMM DYLQGSGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY

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HQSRWNYRDEADVLEVDQGFDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT
MLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNLGLYVKTRDGSDYEGWCWPGSA
GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWNDMNEPSVFNGPEVTMLKDAQ
HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLARAFFAGSQRFGAVW
TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLLYQAHREGIPVMRP
LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGQGEVWYDIQSYQ
KHHGPQTLYLPTLSSIPVFQRRGGTIVPRWVRRSSECMKDDPITLFVALSPQGT
QGELFLDDGHTFNYQTRQEFLRRFSFSGNTLVSSSADPEGHFETPIWIERVVIIGAG
KPAAVVLQTKGSPESRSLSFQHDPETSVLVLRKPGINVASDWSIHLR

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GANAB glucosidase, alpha; neutral AB [Homo sapiens]

Official Symbol

GANAB

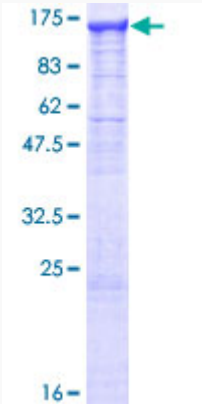
Synonyms

GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; GlulI;
KIAA0088; alpha-glucosidase 2; glucosidase II subunit alpha; alpha glucosidase II
alpha subunit; GLUII;

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Gene ID	23193
mRNA Refseq	NM_198334
Protein Refseq	NP_938148
MIM	104160
UniProt ID	Q14697
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.