

Recombinant Full Length Human GANAB Protein, GST-tagged

Cat. No. GANAB-5378HF 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	In Vitro Cell Free System
ProteinLength	944 amino acids
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	MAVAVAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGL SPYRALLDSLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRSLLLSVNAR GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKPEETQGKAEKDEPGAW ETFKTHSDSKPYGPMVGLDFSLPGMEHVYGIPEHADNLRLLKVTEGGEPYRLYNLD VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAAETWVDISSNTAGKTLFGKMM

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DYLQGSGETPQTDVRRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY
 HQSRWNYRDEADVLEVDQGFDDHNLPCDVIWLDIEHADGKRYFTWDPSPRFPQPR
 MLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNLGLYVKTRDGSYEGWCWPGSA
 GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWNDMNPSVFNNGPEVTMLKDAQ
 HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLRARAFFAGSQRFGAVW
 TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
 FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLTYQAHREGIPVMRP
 LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGGEVWYDIQSYQ
 KHHGPQTLYLPVTLSSIPVFQRGGTIVPRWMRVRRSSECMKDDPITLFFVALSPQGTA
 QGELFLDDGHTFNYQTRQEFLLRRFSFSGNTLVSSSADPEGHFETPIWIERVVIIGAG
 KPAAVVLQTKGSPESRSLSFQHPETSVLVLRKPGINVASDWSIHLR

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; 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](#)

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