

Recombinant Human GANAB Protein, GST-tagged

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

SPECIFICATION

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| 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 SPYRALLDSLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRLLSVNR GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKPEETQGKAEKDEPGAW ETFKTHSDSKPYGPMSVGLDFSLPGMEHVYGIPEHADNLRRLKVTEGGEPYRLYNLD VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAEETWVDISSNTAGKTLFGKMM DYLQGSGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY |

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HQSRWNYRDEADVLEVDQGFDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT
 MLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNLGLYVKTRDGSYEGWCWPGSA
 GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWVNDMNPSVFNNGPEVTMLKDAQ
 HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVRLARAFFAGSQRFGAVW
 TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
 FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLTYQAHREGIPVMRP
 LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGGEVWYDIQSYQ
 KHHGPQTLYLPVTLSSIPVFQRGGTIVPRWVRVRSSECMKDDPITLFLVALSPQGTA
 QGELFLDDGHTFNYQTRQEFLRRFSFSGNTLVSSSADPEGHFETPIWIERVVIIGAG
 KPAAVVLQTKGSPESRSLSFQHPETSVLVLRKPGINVASDWSIHLR

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| 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

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|------------------------|---|
| 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 alpha subunit; GLUII; |

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Gene ID 23193

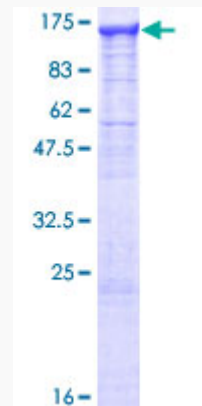
mRNA Refseq NM_198334

Protein Refseq NP_938148

MIM 104160

UniProt ID Q14697

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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