

# Recombinant Full Length Human GANAB Protein, GST-tagged

**Cat. No.** GANAB-5378HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Human GANAB full-length ORF ( NP_938148.1, 1 a.a. - 944 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 944 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 133.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MAAVAAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGL<br>SPYRALLDLQLGPDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRV<br>PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLLEDRLLSVNR<br>GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKPEETQGKAEKDEPGAW<br>ETFKTHSDSKPYGPMSVGLDFSLPGMEHVYGIPEHADNLRKLVTEGGEPYRLYNLD<br>VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAETWVDISSNTAGKTLFGKMM                                                                                                                                                                |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

DYLQGSGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY  
 HQSRWNYRDEADVLEVDQGFDDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT  
 MLERLASKRRKLVAIVDPHIKVD SGYRVHEELRNGLGVKTRDGSDYEGWCWPGSA  
 GYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWNDMNESVFNGPEVTMLKDAQ  
 HYGGWEHRDVHNIYGLYVHMATADGLRQ RSGGMERPFVLARAFFAGSQRFGAVW  
 TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP  
 FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLLYQAHREGIPVMRP  
 LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGQGEVWYDIQSYQ  
 KHHGPQTLYLPVTLSSIPVFQ RGGTIVPRWMRVRSSECMKDDPITL FVALSPQGTA  
 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; Glul1;  
 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 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA