

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 PDVLVADPPIARLSVSGRDENSVELTMAEGPYKIILTARPFRLDLEDRLLSVNR GLLEFEHQRAPRVSQGSKDPAEGDGAQPEETPRDGDKEETQGKAEKDEPGAW ETFKTHSDSKPYGPMVGLDFSLPGMEHVYGIPEHADNLRKLVTEGGEPYRLYNLD VFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAETWVDISSNTAGKTLFGKMM DYLQGSGETPQTDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

HQSRWNYRDEADVLEVDQGFDDHNLPCDVIWLDIEHADGKRYFTWDPSRFPQPRT
MLERLASKRRKLVAIVDPHIKVD SGYRVHEELRNLGLYVKTRDGSDYEGWCWPGSA
GYPDFTNPTMRAWWANMFSDNYEGSAPNLFVWNDMNEPSVFNGPEVTMLKDAQ
HYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLARAFFAGSQRFGAVW
TGDNTAEWDHLKISIPMCLSLGLVGLSFCGADVGGFFKNPEPELLVRWYQMGAYQP
FFRAHAHLDTGRREPWLLPSQHNDIIRDALGQRYSLLPFWYTLLYQAHREGIPVMRP
LWVQYPQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLPQGQGEVWYDIQSYQ
KHHGPQTLYLPTLSSIPVFQRRGGTIVPRWMRVRSSECMKDDPITLFVALSPQGT
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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene ID 23193

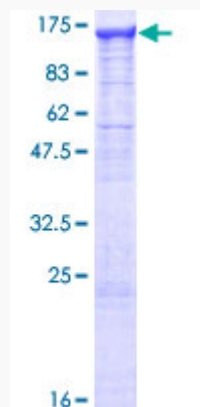
mRNA Refseq NM_198334

Protein Refseq NP_938148

MIM 104160

UniProt ID Q14697

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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