

## Product datasheet for TP318899L

### alpha Glucosidase II (GANAB) (NM\_198334) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human glucosidase, alpha; neutral AB (GANAB), transcript variant 2, 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC218899 representing NM\_198334  
Red=Cloning site Green=Tags(s)

MAVAAVAARRRRSWASLVLAFLGVCLGITLAVDRSNFKTCEESSFCKRQRSIRPGLSPYRALLDSLQLG  
 PDSLTVHLIHEVTKVLLVLELQGLQKNMTRFRIDELEPRRPRYRVPDVLVADPPIARLSVSGRDENSVEL  
 TMAEGPYKIILTARPFRLDLLEDRLSVNARGLLEFEHQRAPRVSQSKDPAEGDGAQPEETPRDGDK  
 PEETQGKAEKDEPGAWREETFKTHSDSKPYGPMVGLDFSLPGMEHVYGIPEHADNLRKLVTEGGEPYRLY  
 NLDVFQYELYNPMALYGSVPVLLAHNPHRDLGIFWLNAETWVDISSNTAGKTLFGKMMDYLQGSGETPQ  
 TDVRWMSETGIIDVFLLLGPSISDVFRQYASLTGTQALPPLFSLGYHQRWNYRDEADVLEVDQGFDDHN  
 LPCDVIWLDIEHADGKRYFTWDPSPRFPQRTMLERLASKRRKLVAVDPHIKVDSGYRVHEELRNGLLYV  
 KTRDGS DYEGWCWPGSAGYPDFTNPTMRAWWANMFSYDNYEGSAPNLFVWDMNEPSVFNPEVTMLKDA  
 QHYGGWEHRDVHNIYGLYVHMATADGLRQRSGGMERPFVLARAFFAGSQRFGAVWTGDNTAEWDHLKISI  
 PMCLSLGLVLSFCGADVGGFFKNPEPELLVRWYQMGAYQPFRAHAHLDTGRREPWLLPSQHNDIIRDA  
 LGQRYSLLPFWYTLTYQAHREGIPVMRPLWVQYQDVTTFNIDDQYLLGDALLVHPVSDSGAHGVQVYLP  
 GQGEVWYDIQSYQKHHGPQTLYLPVTLSSIPVFQRGGTIVPRWVRVRSSECMKDDPITL FVALSPQGT  
 QGELFLDDGHTFNYQTRQEFLLRRFSFGNTLVSSADPEGHFETPIWIERWIIIGAGKPAAVLQTKGS  
 PESRLSFQHPETSVLVLRKPGINVASDWSIHLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

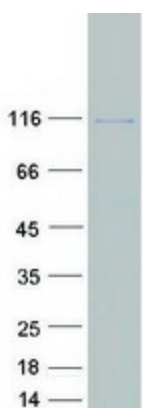
**Tag:** C-Myc/DDK  
**Predicted MW:** 106.7 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_938148</a>
<b>Locus ID:</b>	23193
<b>UniProt ID:</b>	<a href="#">Q14697</a> , <a href="#">V9HWJ0</a>
<b>RefSeq Size:</b>	3887
<b>Cytogenetics:</b>	11q12.3
<b>RefSeq ORF:</b>	2832
<b>Synonyms:</b>	G2AN; GIIA; GLUII; PKD3
<b>Summary:</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>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Metabolic pathways, N-Glycan biosynthesis

### Product images:



Coomassie blue staining of purified GANAB protein (Cat# [TP318899]). The protein was produced from HEK293T cells transfected with GANAB cDNA clone (Cat# [RC218899]) using MegaTran 2.0 (Cat# [TT210002]).