

Product datasheet for **TP318899M**

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, 100 µg
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

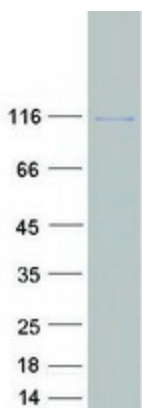
Tag: C-Myc/DDK
Predicted MW: 106.7 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity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



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