# Active Recombinant Human GANAB Protein, His-tagged

**Cat. No.** GANAB-2190H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GANAB Protein (Leu679-Arg944) with a N-His tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Leu679-Arg944 |
| **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. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 33.9 kDa<br>Accurate Molecular Mass: 34 kDa |
| **Endotoxin** | <1.0 EU per 1μg (determined by the LAL method). |
| **Purity** | > 90% |

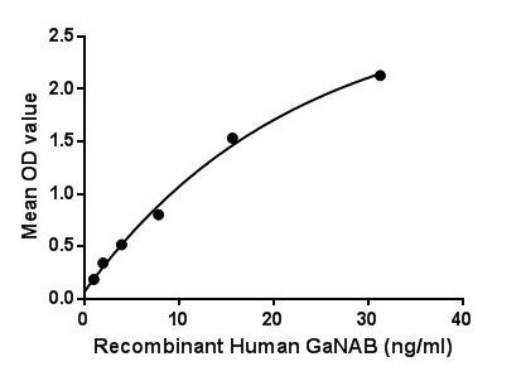
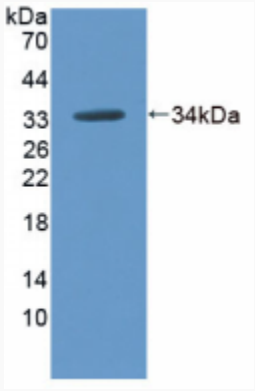
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| **Applications** | Cell culture; Activity Assays. |
| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Storage Buffer** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

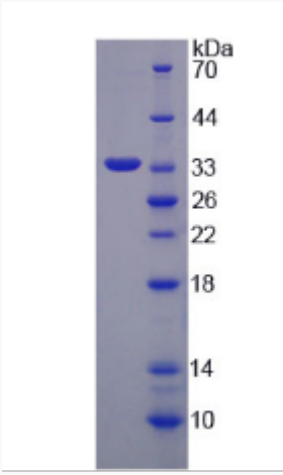
## GENE INFORMATION

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|---|---|
| **Gene Name** | GANAB glucosidase, alpha; neutral AB [ Homo sapiens (human) ] |
| **Official Symbol** | GANAB |
| **Synonyms** | GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; GluII; KIAA0088; alpha-glucosidase 2; glucosidase II subunit alpha; alpha glucosidase II alpha subunit; GLUII; |
| **Gene ID** | 23193 |
| **mRNA Refseq** | NM_198334 |
| **Protein Refseq** | NP_938148 |

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| **MIM** | 104160 |
| **UniProt ID** | Q14697 |
| **Bioactivity** | <br>Binding activity |
| **WB** |  |

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