

# Recombinant Human glucosidase, alpha; neutral AB Protein, His tagged

Cat. No. GANAB-064H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant human GANAB protein (Q14697) (Ile 29-Gly 384) with a His tag at the C-terminus was expressed in HEK293.

### Species

Human

### Source

HEK293

### ProteinLength

29-384aa

### 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. Catalytic subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc (2)Man (9)GlcNAc (2) oligosaccharide precursor of immature glycoproteins. Required for PKD1/Polycystin-1 and PKD2/Polycystin-2 maturation and localization to the cell surface and cilia.

### Tag

C-His

### Molecular Mass

41.3 kDa

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<b>Endotoxin</b>	Less than 1.0 EU/μg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution</b>	Reconstitute at 250 μg/mL in sterile water.

## GENE INFORMATION

<b>Gene Name</b>	GANAB glucosidase, alpha; neutral AB [ Homo sapiens (human) ]
<b>Official Symbol</b>	GANAB
<b>Synonyms</b>	GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; Glull; KIAA0088; alpha-glucosidase 2; glucosidase II subunit alpha; alpha glucosidase II alpha subunit; GLUII;
<b>Gene ID</b>	23193
<b>mRNA Refseq</b>	NM_198334
<b>Protein Refseq</b>	NP_938148
<b>MIM</b>	104160

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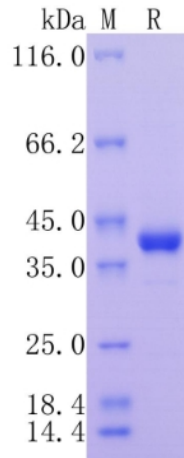
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UniProt ID

Q14697

Protein on SDS-  
PAGE under  
reducing (R)  
condition.



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