

Recombinant Human GANAB Protein, His-tagged

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

SPECIFICATION

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 Accurate Molecular Mass: 34 kDa
Endotoxin	<1.0 EU per 1g (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

Gene Name	GANAB glucosidase, alpha; neutral AB [Homo sapiens (human)]
Official Symbol	GANAB
Synonyms	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;
Gene ID	23193
mRNA Refseq	NM_198334
Protein Refseq	NP_938148

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MIM	104160
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UniProt ID	Q14697
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