

Recombinant Human GANAB, GST-tagged

Cat. No. GANAB-13150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GANAB protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-291a.a.
Description	This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimers disease.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GANAB glucosidase, alpha; neutral AB [Homo sapiens]
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Official Symbol	GANAB
Synonyms	GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; GlulI; 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
MIM	104160
UniProt ID	Q14697
Chromosome Location	11q12.3
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Calnexin/calreticulin cycle, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; N-glycan precursor trimming, organism-specific biosystem;
Function	carbohydrate binding; glucan 1,3-alpha-glucosidase activity; hydrolase activity, hydrolyzing O-glycosyl compounds;