

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 Na₂HPO₄, 17mM NaH₂PO₄, 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; 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 |
| 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; |

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