

Recombinant Human GNAL protein, GST-tagged

Cat. No. GNAL-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAL(1 a.a. - 458 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-458 a.a.
Description	This gene encodes a stimulatory G protein alpha subunit which mediates odorant signaling in the olfactory epithelium. This protein couples dopamine type 1 receptors and adenosine A2A receptors and is widely expressed in the central nervous system. Mutations in this gene have been associated with dystonia 25 and this gene is located in a susceptibility region for bipolar disorder and schizophrenia. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	78.9 kDa
AA Sequence	MGLCYSLRPLLFGGPGDDPCAASEPPVEDAQAPAPALAPVRAAARDTARTLLPRG GEGSPACARPKADKPKEKR QRTEQLSAEEREAAKEREAVKEARKVSRGIDRMLRD QKRDLLQQTHRLLLLGAGESGKSTIVKQMRILHVNGFNPE EKKQKILDIRKNVKDAIVT IVSAMSTIIPPVPLANPENQFRSDYIKSIAPITDFEYSQEFFDHVKKLWDDEGVKA CFE RSNEYQLIDCAQYFLERIDSVSLVDYTPTDQDLLRCRVLTSGIFETRFQVDKVNFMHF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DVGGQRDERRKWIQ CFNDVTAIIYVAACSSYNMVIREDNNTNRLRESLDFESIWN
NRWLRTISIILFLNKQDMLAEKVLGKSKIEDY FPEYANYTVPEDATPDAGEDPKVTR
AKFFIRDLFLRISTATGDGKHYCYPHFTCAVDTENIRRVFNDCRDIIQRM HLKQYELL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

GNAL guanine nucleotide binding protein (G protein), alpha activating activity
polypeptide, olfactory type [Homo sapiens]

Official Symbol

GNAL

Synonyms

GNAL; guanine nucleotide binding protein (G protein), alpha activating activity
polypeptide, olfactory type; guanine nucleotide-binding protein G(olf) subunit alpha;
adenylate cyclase-stimulating G alpha protein, olfactory type; guanine nucleotide
binding protein (G protein), alpha activating activity polypeptide, olfactory typ; guanine
nucleotide binding protein (G protein), alpha stimulating activity polypeptide, olfactory
type;

Gene ID

2774

mRNA Refseq

NM_182978

Protein Refseq

NP_892023

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	139312
UniProt ID	P38405
Chromosome Location	18p11.22-p11.21
Pathway	Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase activating pathway, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem;
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activity; adenylate cyclase activity; guanyl nucleotide binding; metal ion binding; nucleotide binding; signal transducer activity; signal transducer activity;