

Recombinant Full Length Human GNAI2 Protein, C-Flag-tagged

Cat. No. GNAI2-944HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human GNAI2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

Description

The protein encoded by this gene is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been found for this gene.

Form

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass

40.3 kDa

AA Sequence

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MGCTVSAEDKAAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIH
EDGYSEEECRQYR AVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTA
EEQGVLPDDLSGVIRRLWADHGVQAC FGRSREYQLNDSAAYYLNDLERIAQSDYIP
TQQDVLRTTRVKTGIVETHFTFKDLHFKMFVGGQRSERK KWIHCFEGVTAIIFCVA
LSAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFEKIT HSPLTI
CFPEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDVTDVI
IKNNLK
DCGLFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

 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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction
Full Length	Full L.

GENE INFORMATION

Gene Name	GNAI2 G protein subunit alpha i2 [Homo sapiens (human)]
Official Symbol	GNAI2
Synonyms	GIP; HG1C; GNAI2B; H_LUCA15.1; H_LUCA16.1
Gene ID	2771
mRNA Refseq	NM_002070.4

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Protein Refseq NP_002061.1

MIM 139360

UniProt ID P04899



Coomassie blue staining of purified GNAI2 protein.

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