

Product datasheet for **TP304215**

G protein alpha Inhibitor 2 (GNAI2) (NM_002070) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 (GNAI2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204215 protein sequence
Red=Cloning site **Green**=Tags(s)

MGCTVSAEDKAAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIHEDGYSEEECRQYR
AVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEEQGVLPDDLSGVIRRLWADHGVQAC
FGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVLTRVKTGIVETHFTFKDLHFKMFDVGGQRSERK
KWIHCFEGVTAIIFCVALSAYDLVLAEDEEMNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFEEKIT
HSPLTICFPEYTGANKYDEAASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDVAVTDVVIKNNLK
DCGLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 40.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_002061](#)



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Locus ID:	2771
UniProt ID:	P04899 , B3KP24
RefSeq Size:	2258
Cytogenetics:	3p21.31
RefSeq ORF:	1065
Synonyms:	GIP; GNAI2B; H_LUCA15.1; H_LUCA16.1
Summary:	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. [provided by RefSeq, Sep 2013]
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

Product images:



Coomassie blue staining of purified GNAI2 protein (Cat# TP304215). The protein was produced from HEK293T cells transfected with GNAI2 cDNA clone (Cat# [RC204215]) using MegaTran 2.0 (Cat# [TT210002]).