

## Product datasheet for **TP304215M**

### 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), 100 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]).