9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GNAI2 Human

Guanine Nucleotide Binding Protein-G Alpha Inhibiting Activity Polypeptide 2 Human Recombinant
RCP0935

Product Overview

Name	GNAI2 Human

Description

Guanine Nucleotide Binding Protein-G Alpha Inhibiting Activity Polypeptide 2 Human Recombinant

Accession (Primary)	P04899

Synonyms

Guanine Nucleotide Binding Protein (G Protein), Alpha Inhibiting Activity Polypeptide 2, GTP-Binding Regulatory Protein Gi Alpha-2 Chain, Guanine Nucleotide-Binding Protein G(I), Alpha-2 Subunit, Adenylate Cyclase-Inhibiting G Alpha Protein, GNAI2B, H_LUCA16.1, GIP.

Introduction

GNAI2 is an alpha subunit of guanine nucleotide binding proteins (G proteins) and holds a guanine nucleotide binding site. GNAI2 takes part in the hormonal regulation of adenylate cyclase. GNAI2 has varies transcript variants encoding different isoforms yet only two full-length isoforms were identified up to date.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The GNAI2 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG AGESGKSTIV KQMKIIHEDG YSEEECRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPSR ADDARQLFAL SCTAEEQGVL PDDLSGVIRR LWADHGVQAC FGRSREYQLN DSAAYYLNDL ERIAQSDYIP TQQDVLRTRV KTTGIVETHF TFKDLHFKMF DVGGQRSERK KWIHCFEGVT AIIFCVALSA YDLVLAEDEE MNRMHESMKL FDSICNNKWF

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TDTSIILFLN KKDLFEEKIT HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI YTHFTCATDT KNVQFVFDAV TDVIIKNNLK DCGLF.

Precautions

GNAI2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P04899)