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GNAI2 Human

Description:GNAI2 Human Recombinant produced in E. coli is a single polypeptide chain containing 375 amino acids (1-355) and having a molecular mass of 42.0 kDa.GNAI2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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_LUC

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

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 KW

Purity: Greater than 90% as determined by SDS-PAGE.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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Catalog #:PRPS-1317

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