ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

# Guanine Nucleotide Binding Protein-G Alpha Inhibiting Activity Polypep-

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| **Item Number** | rAP-3874 |
| **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 |
| **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. |
| **Uniprot Accesion Number** | P04899 |
| **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 TDTSIILFLN KKDLFEEKIT HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI YTHFTCATDT KNVQFVFDAV TDVIIKNNLK DCGLF. |
| **Source** | E.coli. |
| **Physical Appearance and Stability** | Sterile Filtered colorless solution. 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. |
| **Formulation and Purity** | The GNAI2 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol. Greater than 90% as determined by SDS-PAGE. |
| **Application** | |
| **Solubility** | |
| **Biological Activity** | |
| **Shipping Format and Condition** | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only