

32-3897: GNAI2 Recombinant Protein

Alternative Name : 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,

Description

Source : E.coli. 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. 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 various transcript variants encoding different isoforms yet only two full-length isoforms were identified up to date.

Product Info

Amount : 20 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The GNAI2 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG
 AGESGKSTIV QMKIIHEDG YSEEECRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPSR
 ADDARQLFAL SCTAEEQGV L PDDL SGVIRR LWADHGVQAC FGSR EYQLN DSAAYY LNDL
 ERIAQSDYIP TQQDVL RTRV KTTGIVETHF TFKDLHFKMF DVGGQR SERK KWIHCFEGVT
 AIIFCVALSA YDLVLA EDEE MNRMHESMKL FDSICNNKWF TDTSIILFLN KKDLFEEKIT
 HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI YTHFTCATDT KNVQFV FDAV
 TDVIKNNLK DCGLF.

