

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 : MGSSHHHHH SSGLVPRGSH MGCTVSAEDK AAAERSKMID KNLREDGEKA AREVKLLLLG
 AGESGKSTIV QMKIIHEDG YSEEECRQYR AVVYSNTIQS IMAIVKAMGN LQIDFADPSR ADDARQLFAL
 SCTAEEQGV L PDDL SGVIRR LWADHGVQAC FGRSREYQLN DSAAYYLNDL ERIAQSDYIP TQQDVLRTRV
 KTTGIVETHF TFKDLHFKMF DVGGQRSEK KWIHC FEGVT AIIFCVALSA YDLVLADEE MNRMHESMKL
 FDSICNNKWF TDTSIILFLN KKDLFEKIT HSPLTICFPE YTGANKYDEA ASYIQSKFED LNKRKDTKEI
 YTHFTCATDT KNVQFVFDV TDVIKNNLK DCGLF.

