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32-3896: GNAI1 Recombinant Protein

Alternative Name : Guanine nucleotide-binding protein G(i) subunit alpha-1,Adenylate cyclase-inhibiting G alpha protein,GNAI1,Gi.

Description

Source : Escherichia Coli. GNAI1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 377 amino acids (1-354 a.a.) and having a molecular mass of 42.7kDa.GNAI1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules comprising alpha, beta, and gamma subunits. GNAI1 represents the alpha subunit of an inhibitory complex. Guanine nucleotide-binding protein G(i) subunit alpha (GNAI1) functions to transmit information from cell surface receptors to intracellular effectors. GNAI1 binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. GNAI1 is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. In addition, GNAI1 functions to open atrial potassium channels.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	GNAI1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) 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 MGSMGCTLSA EDKAAVERSK MIDRNLREDG EKAAREVKLL LLGAGESGKS TIVKQMKIIH EAGYSEEECK QYKAVVYSNT IQSIIAIIRA MGRLKIDFGD SARADDARQL FVLAGAAEEG FMTAELAGVI KRLWKDSGVQ ACFNRSREYQ LNDSAAYYLN DLDRIAQPNY IPTQQDVLRT RVKTTGIVET HFTFKDLHFK MFDVGGQRSE RKKWIHCFEG VTAIIFCVAL SDYDLVLAED EEMNRMHESM KLFDSICNNK WFTDTSIILF LNKKDLFEEK IKKSPLTICY PEYAGSNTYE EAAAYIQCQF EDLNKRKDTK EIYTHFTCAT DTKNVQFVFD AVTDVIIKNN LKDCGLF.

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