

Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 1 Human

Item Number	rAP-3363
Synonyms	Guanine nucleotide-binding protein G(i) subunit alpha-1, Adenylate cyclase-inhibiting G alpha protein, GNAI1, Gi.
Description	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.
Uniprot Accesion Number	P63096
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MGSMGCTLSA EDKAAVERSK MIDRNLREDG EKAAREVKLL LLGAG- ESGKS TIVKQMKIIH EAGYSEEECK QYKAVVYSNT IQSIIAIRA MGRCLKIDFGD SARADDARQL FVLGAAEEG FMTAELAGVI KRLWKDSGVQ ACFNRSREYQ LNSAAYYLN DLDRIAQPNY IPTQQDVLRT RVKTTGIVET HFTFKDLHFK MFDVGGQRSE RKKWIHCFEG VTAIIFCVL SDYDLVLAED EEMNRMHESM KLFDSICNNK WFTDTSIILF LNKKDLFEEK IKKSPLTICY PEYAGSNTYE EAAAYIQCQF EDLNKRKDTK EIYTHFTCAT DTKNVQFVFD AVTDVIKNN LKDCGLF.
Source	Escherichia 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	GNAI1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. Greater than 90.0% 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**