

Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3 Human

Item Number	rAP-3354
Synonyms	Guanine nucleotide binding protein (G protein) alpha inhibiting activity polypeptide 3, G(i) alpha-3, 87U6.
Description	GNAI3 Human Recombinant produced in E. coli is a single polypeptide chain containing 377 amino acids (1-354) and having a molecular mass of 43.0kDa. GNAI3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08754
Amino Acid Sequence	MGSSHHHHH SSSLVPRGSH MGSMGCTLSA EDKAAVERSK MIDRNLRDGE EKAKEVKLL LLGAG-ESGKS TIVKQMKIIH EDGYSEDECK QYKVVVYSNT IQSIIAIRA MGRLLKIDFGE AARADDARQL FVLGASAEEG VMTPELAGVI KRLWRDGGVQ ACFRSRSREYQ LNDSASYLN DLDRISQSNY IPTQQDVLRT RVKTTGIVET HFTFKDLYFK MFDVGGQRSE RKKWIHCFEG VTAIIFCVL SDYDLVLAED EEMNRM-HESM KLFDSICNNK WFTETSILF LNKKDLFEK IKRSPLTICY PEYTGSN TYE EAAAYIQCQF EDLNRKDKTK EIYTHFTCAT DTKNVQFVFD AVTDVIKNN LKECGLY
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 GNAI3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 2mM DTT and 20% 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**