9051 Mira Mesa Blvd, #910094
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GNAI3 Human

Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3 Human Recombinant RCP0936

Product Overview

Name	GNAI3 Human
Description	
Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3 Human Recombinant	
Accession (Primary)	P08754
Synonyms	
Guanine nucleotide binding protein (G protein) alpha inhibiting activity polypeptide 3, G(i) alpha-3, 87U6.	
Introduction	
GNAI3 is a member of the G-alpha family and G (i/o/t/z) subfamily which act as modulators or transducers in several transmembrane signaling systems. G(k) is the stimulatory G protein of receptor-regulated K + channels. The active GTP-bound form inhibits the connotation of RGS14 with centrosomes and is essential for the translocation of RGS14 from the cytoplasm to the plasma membrane. GNAI3 takes part in cell division and is known to cooperate with RIC8A, S1PR1, RGS5, RGS10, RGS12, RGS14, RGS16, RGS18, and RGS19.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GNAI3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 2mM DTT and 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGCTLSA EDKAAVERSK MIDRNLREDG EKAAKEVKLL LLGAGESGKS TIVKQMKIIH EDGYSEDECK QYKVVVYSNT IQSIIAIIRA MGRLKIDFGE AARADDARQL FVLAGSAEEG VMTPELAGVI KRLWRDGGVQ ACFSRSREYQ LNDSASYYLN DLDRISQSNY IPTQQDVLRT RVKTTGIVET HFTFKDLYFK MFDVGGQRSE RKKWIHCFEG VTAIIFCVAL SDYDLVLAED EEMNRMHESM KLFDSICNNK	

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WFTETSIILF LNKKDLFEEK IKRSPLTICY PEYTGSNTYE EAAAYIQCQF EDLNRRKDTK EIYTHFTCAT DTKNVQFVFD AVTDVIIKNN LKECGLY

Precautions

GNAI3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08754)