

Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3 Recombinant Protein | GNAI3 recombinant protein

Recombinant Human Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3

CATALOG # AAA38911	HOST E Coli
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PRODUCT SYNONYMS

Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3; Recombinant Human Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3; GNAI3 Human; Guanine Nucleotide Binding Protein Alpha Inhibiting Activity 3 Human Recombinant; Guanine nucleotide binding protein (G protein) alpha inhibiting activity polypeptide 3; G(i) alpha-3; 87U6; GNAI3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The GNAI3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 2mM DTT and 20% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MGCTLSAEDK AAVERSKMID RNLREDGEKA AKEVKLLLLG AGESGKSTIV QMKIIHEDG YSEDECKQYK VVYSNTIQS IIAIRAMGR LKIDFGEAAR ADDARQLFVL AGSAEEGVMT PELAGVIKRL WRDGGVQACF SRSREYQLND SASYYLNDLD RISQSNIPT QQDVLRTVRK TTGIVETHFT FKDL YFKMFD VGGQRSEK KWIHCFEGVTA IIFCVALS DYDLVLAEDEEM NRMHESMKLF DSICNNKWFT ETSIILFLNK KDLFEKIKR SPLTICYPEY TGSNTYEEAA AYIQCQFEDL NRRKDTKEIY THFTCATDTK NVQFVFDAVT DVIKNNLKE CGLY
Sequence Length	354

ADDITIONAL INFORMATION

Related Product Information for GNAI3 recombinant protein	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. 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.
Product Categories/Family for GNAI3 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Guanine Nucleotide Binding Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729850
NCBI GeneID	2773
NCBI Accession #	NP_006487.1
NCBI GenBank Nucleotide #	NM_006496.3
UniProt Accession #	P08754; P17539; Q5TZX1

Molecular Weight	40,532 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(k) subunit alpha
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
NCBI Official Symbol	GNAI3
NCBI Official Synonym Symbols	87U6; ARCND1
NCBI Protein Information	guanine nucleotide-binding protein G(k) subunit alpha; guanine nucleotide-binding protein G(k) subunit alpha; g(i) alpha-3
UniProt Protein Name	Guanine nucleotide-binding protein G(k) subunit alpha
UniProt Gene Name	GNAI3
UniProt Entry Name	GNAI3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gnai3-recombinant-protein-e-coli/38911>