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Product datasheet for AR50049PU-N

G protein alpha inhibitor 1 (1-354, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	G protein alpha inhibitor 1 (1-354, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	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
Tag:	His-tag
Predicted MW:	42.7 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GNAI1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001243343
Locus ID:	2770
UniProt ID:	P63096
Cytogenetics:	7q21.11
Synonyms:	GNAI1

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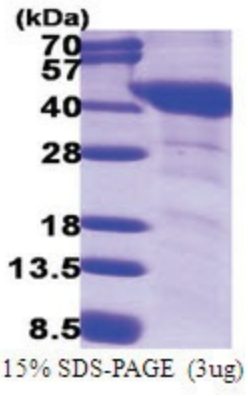
Summary: Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. The protein encoded by this gene represents the alpha subunit of an inhibitory complex. The encoded protein is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome

Protein Pathways: Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction

Product images:



15% SDS-PAGE (3ug)

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