

## Product datasheet for **AR50311PU-S**

### G Protein alpha Inhibitor 3 (1-354, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	G Protein alpha Inhibitor 3 (1-354, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGCTLSA EDKAAVERSK MIDRNLREDG EKAAKEVKLL LLGAGESGKS TIVKQMKIIH EDGYSEDECK QYKVVVYSNT IQSIIAIRA MGRCLKIDFGE AARADDARQL FVLGSAEEG VMTPELAGVI KRLWRDGGVQ ACFSRSREYQ LNDSASYLNL DLDRISQSNY IPTQQDVLRT RVKTTGIVET HFTFKDLYFK MFDVGGQRSE RKKWIHCFCG VTAIIFCVLAL SDYDLVLAED EEMNRMHESM KLFDSICNNK WFTETSILF LNKKDLFEK IKRSPLTICY PEYTGSNTRY EAAAYIQCF EDLNRKDTK EIYTHFTCAT DTKNVQFVFD AVTDVVIKNN LKECGLY
Tag:	His-tag
Predicted MW:	43.0 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 2 mM DTT, 20% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GNAI3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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:	<a href="#">NP_006487</a>
Locus ID:	2773
UniProt ID:	<a href="#">P08754</a>
Cytogenetics:	1p13.3



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**Synonyms:** 87U6; ARCND1

**Summary:** Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family. Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with auriculocondylar syndrome, and shown to affect downstream targets in the G protein-coupled endothelin receptor pathway. [provided by RefSeq, Jun 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:**

