

## Product datasheet for **AR51608PU-S**

### **GNG13 (1-64, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	GNG13 (1-64, His-tag) human recombinant protein, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMEWDVP QMKKEVESLK YQLAFQREMA SKTIPELLKW IEDGIPKDPF LNPDLMKNNP WVEKGKC
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	10.0 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>80% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2 mM DTT, 0.1 mM PMSF
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human GNG13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_057625</a>
<b>Locus ID:</b>	51764
<b>UniProt ID:</b>	<a href="#">Q9P2W3</a>
<b>Cytogenetics:</b>	16p13.3
<b>Synonyms:</b>	Guanine nucleotide binding protein (G protein), gamma 13, G(gamma)13, h2-35



[View online »](#)

**Summary:**

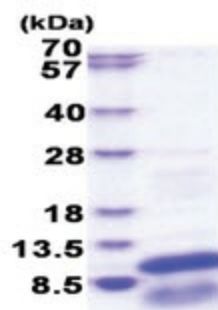
Heterotrimeric G proteins, which consist of alpha (see MIM 139320), beta (see MIM 139380), and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is a gamma subunit that is expressed in taste, retinal, and neuronal tissues and plays a key role in taste transduction (Li et al., 2006 [PubMed 16473877]).[Supplied by OMIM, Oct 2009]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Chemokine signaling pathway, Taste transduction

**Product images:**

15% SDS-PAGE (3ug)