

Product datasheet for **AR51608PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	GNG13 (1-64, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEWDVP QMKKEVESLK YQLAFQREMA SKTIPELLKW IEDGIPKDPF LNPDLMKNNP WVEKGKC
Tag:	His-tag
Predicted MW:	10.0 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	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
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GNG13 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:	NP_057625
Locus ID:	51764
UniProt ID:	Q9P2W3
Cytogenetics:	16p13.3
Synonyms:	Guanine nucleotide binding protein (G protein), gamma 13, G(gamma)13, h2-35



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Summary:

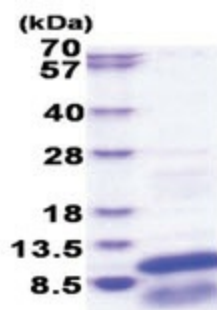
Heterotrimeric G proteins, which consist of alpha (see MIM 139320), beta (see MIM 139380), and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is a gamma subunit that is expressed in taste, retinal, and neuronal tissues and plays a key role 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)