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AR51339PU-N Human GNG4 (1-72, His-tag) - Purified

Alternate names: G protein gamma-4, GNGT4, Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4

Quantity: 0.25 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 precursor, also known as GNG4, is members of a multigene family and are implicated in determining the specificity of receptor-G protein interaction. In mammals, G protein alpha, beta and gamma polypeptides are encoded by at least 16, 4 and 7 genes, respectively. GNG4 is becoming increasingly clear that different G protein complexes expressed in different tissues carry structurally distinct members of the gamma as well as the alpha and beta subunits and that preferential association between members of subunit families increase G protein functional diversity.

Uniprot ID: P50150

NCBI: NP_001092192

GeneID: 2786

Species: Human

Source: E. coli

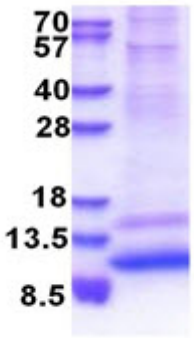
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description: Recombinant human GNG4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMKEGMSN NSTTSISQAR KAVEQLKMEA CMDRVKVSQA AADLLAYCEA HVREDPLIIP VPASENPFRE KKFFC
Molecular weight: 10.4 kDa (95aa)

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. Shelf life: one year from despatch.

General Readings:
Kalyanaraman S., et al. (1998) Genomics. 49(1): 147-51.
Simon N I., et al. (1991) Science. 252: 802-808.

Pictures:



15% SDS-PAGE (3ug)