

Recombinant human GNG13 protein

Catalog Number: ATGP2788

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-64aa

UniProt No.

Q9P2W3

NCBI Accession No.

NP_057625

Alternative Names

Guanine nucleotide binding protein (G protein) gamma 13, Guanine nucleotide binding protein (G protein), gamma 13, G(gamma)13, h2-35

PRODUCT SPECIFICATION

Molecular Weight

10 kDa (87aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT, 0.1mM PMSF

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Heterotrimeric G proteins, which consist of alpha, beta, 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. Recombinant human GNG13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMEWDVP QMKKEVESLK YQLAFQREMA SKTIPELLKW IEDGIPKDPF LNPDLMKNNP
WVEKGKC

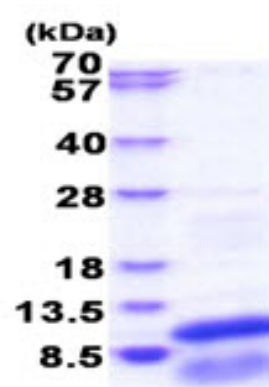
General References

Huang L., et al. (1999) Nat. Neurosci. 2:1055-1062

Martin J., et al. (2004) Nature. 432:988-994

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)