

Product datasheet for PH310828

GNG13 (NM_016541) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNG13 MS Standard C13 and N15-labeled recombinant protein (NP_057625)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210828
Predicted MW:	7.9 kDa
Protein Sequence:	>RC210828 protein sequence Red=Cloning site Green=Tags(s) MEEWDVPQMKKEVESLKYQLAFQREMASKTIPELLKWIEDGIPKDPFLNPDLMKNNPWVEKGKCTIL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_057625
RefSeq Size:	1001
RefSeq ORF:	201
Synonyms:	G(gamma)13; h2-35
Locus ID:	51764
UniProt ID:	Q9P2W3
Cytogenetics:	16p13.3



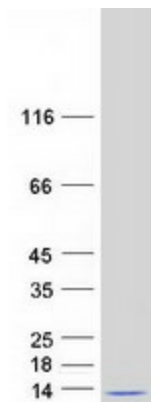
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Summary: Heterotrimeric G proteins, which consist of alpha (see MIM 139320), beta (see MIM 139380), and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is a gamma subunit that is expressed 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:



Coomassie blue staining of purified GNG13 protein (Cat# [TP310828]). The protein was produced from HEK293T cells transfected with GNG13 cDNA clone (Cat# [RC210828]) using MegaTran 2.0 (Cat# [TT210002]).