

Product datasheet for PH308768

GNNG7 (NM_052847) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNNG7 MS Standard C13 and N15-labeled recombinant protein (NP_443079)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208768
Predicted MW:	7.5 kDa
Protein Sequence:	>RC208768 protein sequence Red=Cloning site Green=Tags(s) MSATNNIAQARKLVEQLRIEAGIERIKVSKAASDLMSYCEQHARNDPLLVGVPASENPFKDKKPCIIIL 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_443079
RefSeq Size:	4264
RefSeq ORF:	204
Locus ID:	2788
UniProt ID:	O60262
Cytogenetics:	19p13.3



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Summary:

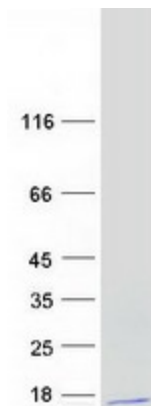
Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Plays a role in the regulation of adenylyl cyclase signaling in certain regions of the brain. Plays a role in the formation or stabilization of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum (By similarity). [UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Protein Pathways:

Chemokine signaling pathway

Product images:

Coomassie blue staining of purified GNG7 protein (Cat# [TP308768]). The protein was produced from HEK293T cells transfected with GNG7 cDNA clone (Cat# [RC208768]) using MegaTran 2.0 (Cat# [TT210002]).