

Product datasheet for PH300572

GN5 (NM_005274) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GN5 MS Standard C13 and N15-labeled recombinant protein (NP_005265)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200572
Predicted MW:	7.3 kDa
Protein Sequence:	>RC200572 protein sequence Red=Cloning site Green=Tags(s) MSGSSSVAAMKKVVQQLRLEAGLNRVKVSQAAADLKQFCLQNAQHDP LLTGVSSTNPFPRPQKVC SFL 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_005265
RefSeq Size:	823
RefSeq ORF:	204
Locus ID:	2787
UniProt ID:	P63218
Cytogenetics:	1p22.3



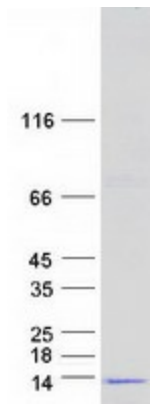
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Summary:

G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925]. [supplied by OMIM, Nov 2010]

Protein Pathways:

Chemokine signaling pathway

Product images:

Coomassie blue staining of purified GNG5 protein (Cat# [TP300572]). The protein was produced from HEK293T cells transfected with GNG5 cDNA clone (Cat# [RC200572]) using MegaTran 2.0 (Cat# [TT210002]).