Recombinant Human GNG7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GNG7-6287H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GNG7 MS Standard C13 and N15-labeled recombinant protein (NP_443079) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 stabilzation of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum.
Molecular Mass	7.5 kDa
AA Sequence	MSATNNIAQARKLVEQLRIEAGIERIKVSKAASDLMSYCEQHARNDPLLVGVPASEN PFKDKKPCIILTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

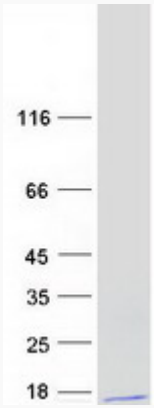
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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GNG7 G protein subunit gamma 7 [Homo sapiens (human)]
Official Symbol	GNG7
Synonyms	GNG7; guanine nucleotide binding protein (G protein), gamma 7; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7; FLJ00058;
Gene ID	2788
mRNA Refseq	NM_052847
Protein Refseq	NP_443079
MIM	604430
UniProt ID	O60262

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SDS-PAGE	

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