Recombinant Human GNG3

Cat. No. GNG3-28960TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human G gamma3 with N terminal proprietary tag; Predicted MW 33.99 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	75 amino acids
Description	G proteins are heterotrimers of alpha, beta, and gamma subunits. Gamma subunits, such as GNG3, contribute to the specificity of the hundreds of receptor signaling pathways involving G proteins (Schwindinger et al.
Molecular Weight	33.990kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	MKGETPVNSTMSIGQARKMVEQLKIEASLCRIKVSKAAADLVTYCDAHACEDPLITPV

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acids	PTSENPFREKKFFCALL
Sequence Similarities	Belongs to the G protein gamma family.

GENE INFORMATION

Gene Name	GNG3 guanine nucleotide binding protein (G protein), gamma 3 [Homo sapiens]
Official Symbol	GNG3
Synonyms	GNG3; guanine nucleotide binding protein (G protein), gamma 3; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-3; guanine nucleotide binding protein gamma 3 subunit; NBP gamma 3;
Gene ID	2785
mRNA Refseq	NM_012202
Protein Refseq	NP_036334
MIM	608941
Uniprot ID	P63215
Chromosome Location	11p11
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Activation of Kainate Receptors upon

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	glutamate binding, organism-specific biosystem;
Function	G-protein coupled receptor binding; GTPase activity; signal transducer activity; type 1 angiotensin receptor binding;

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