

## Product datasheet for **RC208768L1V**

### **GNG7 (NM\_052847) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GNG7 (NM_052847) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNG7
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_052847
ORF Size:	204 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208768).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_052847.1</a>
RefSeq Size:	4264 bp
RefSeq ORF:	207 bp
Locus ID:	2788
UniProt ID:	<a href="#">O60262</a>
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway
MW:	7.5 kDa



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**Gene 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]