

Product datasheet for **RC227261L4V**

GNAL (NM_001142339) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GNAL (NM_001142339) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GNAL
Synonyms:	DYT25
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001142339
ORF Size:	1143 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227261).
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. More info
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:	NM_001142339.1
RefSeq ORF:	1146 bp
Locus ID:	2774
UniProt ID:	P38405
Cytogenetics:	18p11.21
Protein Families:	Druggable Genome
Protein Pathways:	Calcium signaling pathway, Olfactory transduction
MW:	44.1 kDa



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Gene Summary:

This gene encodes a stimulatory G protein alpha subunit which mediates odorant signaling in the olfactory epithelium. This protein couples dopamine type 1 receptors and adenosine A2A receptors and is widely expressed in the central nervous system. Mutations in this gene have been associated with dystonia 25 and this gene is located in a susceptibility region for bipolar disorder and schizophrenia. Alternative splicing results in multiple transcript variants.
[provided by RefSeq, Dec 2013]