

## Product datasheet for **RC215129L3V**

### GRK3 (NM\_005160) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GRK3 (NM_005160) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GRK3
Synonyms:	ADRBK2; BARK2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005160
ORF Size:	2064 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215129).
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_005160.2</a>
RefSeq Size:	3628 bp
RefSeq ORF:	2067 bp
Locus ID:	157
UniProt ID:	<a href="#">P35626</a>
Cytogenetics:	22q12.1
Domains:	RGS, pkinase, S_TK_X, TyrKc, PH, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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**Protein Pathways:** Chemokine signaling pathway, Endocytosis, Olfactory transduction

**MW:** 79.5 kDa

**Gene Summary:** The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. [provided by RefSeq, Jul 2008]