

## Product datasheet for **RC215977L1V**

### ADCY9 (NM\_001116) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ADCY9 (NM_001116) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADCY9
Synonyms:	AC9; ACIX
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001116
ORF Size:	4059 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215977).
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_001116.2</a>
RefSeq Size:	7732 bp
RefSeq ORF:	4062 bp
Locus ID:	115
UniProt ID:	<a href="#">O60503</a>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Transmembrane



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<b>Protein Pathways:</b>	Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Melanogenesis, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction, Vibrio cholerae infection
<b>MW:</b>	150.5 kDa
<b>Gene Summary:</b>	Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. It is regulated by a family of G protein-coupled receptors, protein kinases, and calcium. The type 9 adenylyl cyclase is a widely distributed adenylyl cyclase, and it is stimulated by beta-adrenergic receptor activation but is insensitive to forskolin, calcium, and somatostatin. [provided by RefSeq, Jul 2008]