

## Product datasheet for **RC222906L3V**

### ADCY5 (NM\_183357) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ADCY5 (NM_183357) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADCY5
Synonyms:	AC5; FDFM
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_183357
ORF Size:	3783 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222906).
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_183357.2</a>
RefSeq Size:	6098 bp
RefSeq ORF:	3786 bp
Locus ID:	111
UniProt ID:	<a href="#">O95622</a>
Cytogenetics:	3q21.1
Protein Families:	Druggable Genome, Transmembrane



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<b>Protein Pathways:</b>	Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Melanogenesis, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction
<b>MW:</b>	138.9 kDa
<b>Gene Summary:</b>	This gene encodes a member of the membrane-bound adenylyl cyclase enzymes. Adenylyl cyclases mediate G protein-coupled receptor signaling through the synthesis of the second messenger cAMP. Activity of the encoded protein is stimulated by the Gs alpha subunit of G protein-coupled receptors and is inhibited by protein kinase A, calcium and Gi alpha subunits. Single nucleotide polymorphisms in this gene may be associated with low birth weight and type 2 diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]