

## Product datasheet for **RC222397L4V**

### **ApoER2 (LRP8) (NM\_033300) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	ApoER2 (LRP8) (NM_033300) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ApoER2
Synonyms:	APOER2; HSZ75190; LRP-8; MCI1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033300
ORF Size:	2379 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222397).
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_033300.3</a>
RefSeq Size:	7273 bp
RefSeq ORF:	2382 bp
Locus ID:	7804
UniProt ID:	<a href="#">Q14114</a>
Cytogenetics:	1p32.3
Domains:	Idl_recept_b, EGF_CA, Idl_recept_a, EGF, EGF
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane



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**MW:** 88 kDa

**Gene Summary:** This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2011]