

Product datasheet for RC220963L4V

OriGene Technologies, Inc.

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ApoER2 (LRP8) (NM_004631) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ApoER2 (LRP8) (NM_004631) 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_004631 **ORF Size:** 2889 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC220963).

Sequence:

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. <u>More info</u>

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: <u>NM 004631.3</u>

 RefSeq Size:
 4528 bp

 RefSeq ORF:
 2892 bp

 Locus ID:
 7804

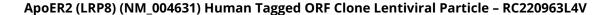
 UniProt ID:
 Q14114

 Cytogenetics:
 1p32.3

Domains: Idl_recept_b, EGF_CA, Idl_recept_a, EGF

Protein Families: Druggable Genome, Secreted Protein, Transmembrane





ORIGENE

MW: 105.6 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]