

## Product datasheet for **RC227056L4V**

### CMKLR1 (NM\_001142345) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CMKLR1 (NM_001142345) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CMKLR1   |
| Synonyms:                 | CHEMERINR; ChemR23; DEZ; RVER1   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001142345   |
| ORF Size:                 | 1119 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC227056).   |
| 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_001142345.1</a> , <a href="#">NP_001135817.1</a>  |
| RefSeq ORF:               | 1122 bp  |
| Locus ID:                 | 1240   |
| UniProt ID:               | <a href="#">Q99788</a>   |
| Cytogenetics:             | 12q23.3  |
| Protein Families:         | Druggable Genome, GPCR, Transmembrane  |
| MW:                       | 42.1 kDa   |



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**Gene Summary:**

Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like, reduction of immune responses, enhancing of adipogenesis and angiogenesis. Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF-kappa-B. Positively regulates adipogenesis and adipocyte metabolism. Acts as a coreceptor for several SIV strains (SIVMAC316, SIVMAC239, SIVMACL7E-FR and SIVSM62A), as well as a primary HIV-1 strain (92UG024-2).  
[UniProtKB/Swiss-Prot Function]