

Product datasheet for **RC216747L2V**

LRPPRC (NM_133259) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | LRPPRC (NM_133259) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | LRPPRC |
| Synonyms: | CLONE-23970; GP130; LRP130; LSFC; MC4DN5 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_133259 |
| ORF Size: | 4182 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216747). |
| 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. More info |
| 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: | NM_133259.2 , NP_573566.2 |
| RefSeq Size: | 5095 bp |
| RefSeq ORF: | 4185 bp |
| Locus ID: | 10128 |
| UniProt ID: | P42704 |
| Cytogenetics: | 2p21 |
| Domains: | PPR |
| MW: | 157.7 kDa |



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Gene Summary:

This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome. [provided by RefSeq, Mar 2012]