

Product datasheet for **RC206044L4V**

LRAT (NM_004744) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | LRAT (NM_004744) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | LRAT |
| Synonyms: | LCA14 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_004744 |
| ORF Size: | 690 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC206044). |
| 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_004744.3 |
| RefSeq Size: | 4929 bp |
| RefSeq ORF: | 693 bp |
| Locus ID: | 9227 |
| UniProt ID: | O95237 |
| Cytogenetics: | 4q32.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Retinol metabolism |



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MW: 25.7 kDa

Gene Summary: The protein encoded by this gene localizes to the endoplasmic reticulum, where it catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester. This reaction is an important step in vitamin A metabolism in the visual system. Mutations in this gene have been associated with early-onset severe retinal dystrophy and Leber congenital amaurosis 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]