

## Product datasheet for **RC206621L4V**

### **ALOX15 (NM\_001140) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	ALOX15 (NM_001140) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ALOX15
Synonyms:	12-LOX; 15-LOX; 15-LOX-1; LOG15
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001140
ORF Size:	1986 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206621).
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_001140.3</a>
RefSeq Size:	2707 bp
RefSeq ORF:	1989 bp
Locus ID:	246
UniProt ID:	<a href="#">P16050</a>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways



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**MW:** 74.6 kDa

**Gene Summary:** This gene encodes a member of the lipoxygenase family of proteins. The encoded enzyme acts on various polyunsaturated fatty acid substrates to generate various bioactive lipid mediators such as eicosanoids, hepoxilins, lipoxins, and other molecules. The encoded enzyme and its reaction products have been shown to regulate inflammation and immunity. Multiple pseudogenes of this gene have been identified in the human genome. [provided by RefSeq, Aug 2017]