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Product datasheet for RC214018L3V

15 Lipoxygenase 2 (ALOX15B) (NM_001039130) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	15 Lipoxygenase 2 (ALOX15B) (NM_001039130) Human Tagged ORF Clone Lentiviral Particle
Symbol:	15 Lipoxygenase 2
Synonyms:	15-LOX-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001039130
ORF Size:	1941 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC214018).`
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_001039130.1, NP_001034219.1
RefSeq Size:	2643 bp
RefSeq ORF:	1944 bp
Locus ID:	247
UniProt ID:	O15296
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways

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MW: 72.3 kDa

Gene Summary: This gene encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]