

## Product datasheet for **RC221972L2V**

### **IL4I1 (NM\_172374) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	IL4I1 (NM_172374) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IL4I1
Synonyms:	FIG1; hIL4I1; LAAO; LAO
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_172374
ORF Size:	1767 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221972).
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_172374.1</a>
RefSeq Size:	2359 bp
RefSeq ORF:	1770 bp
Locus ID:	259307
UniProt ID:	<a href="#">Q96RQ9</a>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome



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<b>Protein Pathways:</b>	Alanine, aspartate and glutamate metabolism, Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tryptophan metabolism, Tyrosine metabolism, Valine, leucine and isoleucine degradation
<b>MW:</b>	65.4 kDa
<b>Gene Summary:</b>	This gene encodes a secreted L-amino acid oxidase protein which primarily catabolizes L-phenylalanine and, to a lesser extent, L-arginine. The expression of this gene is induced by the cytokine interleukin 4 in B cells. This gene is also expressed in macrophages and dendritic cells. This protein may play a role immune system escape as it is expressed in tumor-associated macrophages and suppresses T-cell responses. This protein also contains domains thought to be involved in the binding of flavin adenine dinucleotide (FAD) cofactor. Multiple transcript variants encoding different isoforms have been found for this gene. Some transcripts of this gene share a promoter and exons of the 5' UTR with the overlapping NUP62 gene. [provided by RefSeq, Jul 2020]