

## Product datasheet for **RC213497L2V**

### AIRE (NM\_000383) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	AIRE (NM_000383) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AIRE
Synonyms:	AIRE1; APECED; APS1; APSI; PGA1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000383
ORF Size:	1635 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213497).
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_000383.1</a>
RefSeq Size:	2252 bp
RefSeq ORF:	1638 bp
Locus ID:	326
UniProt ID:	<a href="#">O43918</a>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
Protein Pathways:	Primary immunodeficiency, Ubiquitin mediated proteolysis



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**MW:** 57.5 kDa

**Gene Summary:** This gene encodes a transcriptional regulator that forms nuclear bodies and interacts with the transcriptional coactivator CREB binding protein. The encoded protein plays an important role in immunity by regulating the expression of autoantigens and negative selection of autoreactive T-cells in the thymus. Mutations in this gene cause the rare autosomal-recessive systemic autoimmune disease termed autoimmune polyendocrinopathy with candidiasis and ectodermal dystrophy (APECED). [provided by RefSeq, Jun 2012]