

## Product datasheet for RC213497L3

## AIRE (NM\_000383) Human Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** AIRE (NM\_000383) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: AIRE

Synonyms: AIRE1; APECED; APS1; APSI; PGA1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

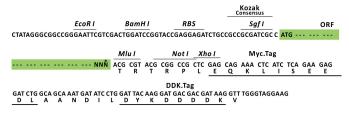
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213497).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_000383

ORF Size: 1635 bp



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## AIRE (NM\_000383) Human Tagged Lenti ORF Clone - RC213497L3

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

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2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 000383.1</u>

RefSeq Size:2252 bpRefSeq ORF:1638 bp

UniProt ID: <u>043918</u>

Locus ID:

Cytogenetics: 21q22.3

**Protein Families:** Druggable Genome

**Protein Pathways:** Primary immunodeficiency, Ubiquitin mediated proteolysis

**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]