

Product datasheet for **RC216971L4V**

AIRE (NM_000658) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | AIRE (NM_000658) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | AIRE |
| Synonyms: | AIRE1; APECED; APS1; APSI; PGA1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000658 |
| ORF Size: | 1044 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216971). |
| 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_000658.1 , NP_000649.1 |
| RefSeq Size: | 1545 bp |
| RefSeq ORF: | 1046 bp |
| Locus ID: | 326 |
| Cytogenetics: | 21q22.3 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Primary immunodeficiency, Ubiquitin mediated proteolysis |
| MW: | 36.3 kDa |



[View online »](#)

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]