

Product datasheet for **RC202949L3V**

AICDA (NM_020661) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | AICDA (NM_020661) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | AICDA |
| Synonyms: | AID; ARP2; CDA2; HEL-S-284; HIGM2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_020661 |
| ORF Size: | 594 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202949). |
| 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_020661.1 , NP_065712.1 |
| RefSeq Size: | 2794 bp |
| RefSeq ORF: | 597 bp |
| Locus ID: | 57379 |
| UniProt ID: | Q9GZX7 |
| Cytogenetics: | 12p13.31 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Primary immunodeficiency |



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MW: 24 kDa

Gene Summary: This gene encodes a RNA-editing deaminase that is a member of the cytidine deaminase family. AICDA is specifically expressed and active in germinal center-like B cells. In the germinal center, AICDA is involved in somatic hypermutation, gene conversion, and class-switch recombination of immunoglobulin genes. An epigenetic role in neoplastic transformation and lymphoma progression has been experimentally ascribed to AICDA using mouse models. Defects in this gene are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2). [provided by RefSeq, Jul 2020]