

Product datasheet for **RC216861L3V**

A1CF (NM_138932) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | A1CF (NM_138932) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | A1CF |
| Synonyms: | ACF; ACF64; ACF65; APOBEC1CF; ASP |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_138932 |
| ORF Size: | 1782 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216861). |
| 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_138932.1 |
| RefSeq Size: | 9293 bp |
| RefSeq ORF: | 1785 bp |
| Locus ID: | 29974 |
| UniProt ID: | Q9NQ94 |
| Cytogenetics: | 10q11.23 |
| MW: | 65.2 kDa |



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Gene Summary:

Mammalian apolipoprotein B mRNA undergoes site-specific C to U deamination, which is mediated by a multi-component enzyme complex containing a minimal core composed of APOBEC-1 and a complementation factor encoded by this gene. The gene product has three non-identical RNA recognition motifs and belongs to the hnRNP R family of RNA-binding proteins. It has been proposed that this complementation factor functions as an RNA-binding subunit and docks APOBEC-1 to deaminate the upstream cytidine. Studies suggest that the protein may also be involved in other RNA editing or RNA processing events. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]