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# Product datasheet for RC217985L4V

## COP (CARD16) (NM_001017534) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | COP (CARD16) (NM_001017534) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | COP |
| **Synonyms:** | COP; COP1; PSEUDO-ICE |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001017534 |
| **ORF Size:** | 591 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC217985).` |
| **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_001017534.1 |
| **RefSeq Size:** | 695 bp |
| **RefSeq ORF:** | 594 bp |
| **Locus ID:** | 114769 |
| **UniProt ID:** | Q5EG05 |
| **Cytogenetics:** | 11q22.3 |
| **MW:** | 22.4 kDa |

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**Gene Summary:** Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-mediated neuronal cell death, TNF-alpha, hypoxia-, UV-, and staurosporine-mediated cell death but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1 and CASP4, possibly by preventing the interaction between CASP1 and RIPK2. [UniProtKB/Swiss-Prot Function]