

Product datasheet for RC211537L4V

OriGene Technologies, Inc.

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COP (CARD16) (NM_052889) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: COP (CARD16) (NM_052889) 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_052889

ORF Size: 303 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC211537).

OTI Disclaimer:

Sequence:

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: <u>NM 052889.2</u>

 RefSeq Size:
 758 bp

 RefSeq ORF:
 294 bp

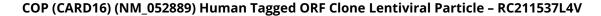
 Locus ID:
 114769

 UniProt ID:
 Q5EG05

 Cytogenetics:
 11q22.3

 MW:
 10.6 kDa







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]