

Product datasheet for **SC123481**

COP (CARD16) (BC033638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COP (CARD16) (BC033638) Human Untagged Clone
Tag:	Tag Free
Symbol:	COP
Synonyms:	COP; COP1; PSEUDO-ICE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC033638 edited
 GAGAAAAGCCATGGCCGACAAGGTCCTGAAGGAGAAGAGAAAAGCTGTTTATCCATTCCAT
 GGGTGAAGGTACAATAAATGGCTTACTGGATGAATTATTACAGACAAGGGTGCTGAACCA
 GGAAGAGATGGAGAAAGTAAAACGTGAAAATGCTACAGTTATGGATAAGACCCGAGCTTT
 GATTGACTCCGTTATCCGAAAGGGGCACAGGCATGCCAAATTTGCATCACATACATTTG
 TGAAGAAGACAGTTACCTGGCAGAGACGCTGGGACTCTCAGCAGGTAAGGGTCAGTGACT
 CACACTCAAGTTCACCTAGGGCCTGTCTTCGTGCCTAACATTTGATTTCTTTACTAGTCA
 TGTTAATCTGCAGAATATCTTCTTATCTCTGCCTTTGGGCCATATTTCTGTAGCAGAGGC
 CCTATTGCATGTCCCTTGACTCTTTTTGTTCCTTCATCCTCAGTGCCTCTTCTGATT
 AAAGTTCATTTCTGTTCTGAGTACATGGTAGCTAATTTCTTAAGGTCATGAGAACTAT
 CTAGAAAGCTTCATACAATATGTTCCAGTGTTCCTGGCAAGGCACGATATTTATTGATTG
 ATTTATTATTTGTGTCAGGGTGTCCCTAATCCCTTATGTAGTTGTTTGACATGAGCTT
 TAGGGTCTGTATCAAATACTTTTTATAAATTCTTTCAAACCTTTGCCCTCAGAGAAGA
 ATAAAGTATATTTAAGTGACGATGATACGTTCCAGGAAATACATTCATGATTACAGAATA
 GTAAGATTTCAACAGGGCTCTTCCCTCCGTTGCCCCATGCATTTTCTTTGAGTAAG
 ATCTGCTTGTCTGTTGCCAAGCTGCAGATCATACTGGGAGGCCTGGACTCCATCATCTG
 CAGCCCTCCTAGGGCCTGATACAGTGCTCAGGAAATGAGCTTGCCCATTTTATAATCCC
 TTGAACCTACAGCATGGTGAAGGATGGGAGTTTTGGTGCACCTGAACATTATTTATTGTC
 TTTAGTCAGGGTGTGGGAGGAATTTGCAGTGAGGAGTGGCTTATGCATTGCTGTAAGT
 TTTCCAGAGATGATAAGTGGCTATTTCAATGTTCTTCTATCTTTTATAGTCCGATACCT
 GGAAATAGCTTAGTACACAAGACTCCCAATTAATTTCTTCCCTCCAGGTAATGTT
 GTTTTTCAATGAAGAGCATTCTTTGAACCCCATCTTCTTAACATTAATTTAGTGAATG
 AGCTCTGCTTGAAGGGCTATGGAGAATCCCATAGACTGATCATAAATTTCTTTTTT
 AATCTATTCTGTTTTTGCAGAAACTGTTCCCAAAGCTTTACTACTCTTATTTATACTAAC
 AAAATCTGAATTTGTATCTCAAATCTGATTACCCAAATAAGTACCAAACCTTCATCATT
 AAGACTACTGAAATATCCCTCACATCTCCAGAGACACATTTATGTAACAATTTCAGA
 GCTGAACATGCCATTCTTCCCCACCCTGCTTCTTACAGTTTTGTGTAACCTGGTTTTT
 GATGCCACCATCACCAGTTGTTCAATCCAGGAACTTGAAACTCATCTTGGCCCCCTTCT
 CTCATGCACCTCCAATATTCAAGCCATGGCCAAGTTTTATGCATTCTTCTCAAATTTG
 GAAATGTCTCTTACTTCTATTATTTTATAAAGAACTTTATTCCTTAAGTGC
 CCCCTTAAAATAAAGAAACTTATATTTGAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC033638 unedited
 NGGTTCAAATTTGTATACGACTCATATAGGCGGCCGNATTAGATCTGGTACCGGTCC
 GGAATTCGCGGATGAGAAAGCCTGGCCGACAAGGTCCTGAAGGAGAAGAGAAAGCTGTT
 TATCCATTCCATGGGTGAAGGTACAATAAATGGCTTACTGGATGAATTATTACAGACAAG
 GGTGCTGAACAGGAAGAGATGGAGAAAGTAAAACGTGAAAATGCTACAGTTATGGATAA
 GACCCGAGCTTTGATTGACTCCGTTATTCCGAAAGGGGCACAGGCATGCCAAATTTGCAT
 CACATACATTTGTGAAGAAGACAGTTACCTGGCAGAGACGCTGGGACTCTCAGCAGGTA
 GGGTCAGTGACTCACACTCAAGTTCACCTAGGGCCTGTCTTCGTGCCTAACATTTGATTT
 CTTTACTAGTCATGTTAATCTGCAGAATATCTTCTATCTCTGCCTTTGGGCCATATTT
 TGTAGCAGAGGCCCTATTGCATGTCCTTGACTCTTTTTGTGTTCTTCATCCTCAGTGC
 CCTCTTCTGATTAAGTTCATTTCTGTTCTGAGTACATGGTAGCTAATTTCTTAAGGT
 CATGAGAACTATCTAGAAAGCTTCATACAATATGTTCCAGTGTTCCTGGCAAGGCACGAT
 ATTTATTGATTGATTTATTTTGTGTCCAGGGTGTCCCTAATCCCTTATGTAGTTGTT
 TGACATGAGCNTTTAGGTCTGTATTCAAATACTTTTTATAAATCTTTTCANACTTTTGC
 CCTCAGAGAAGATAAAGTATATTTAAGTGACGATGATACGTTCCAGGAAATACATTCATG
 ATTACAGAATAGTAAAGATTTTACAGGGCTCTTNTNCCGTTGCCCATGCATTTCTT
 TTGAGTAAGACTGCCTGCCTGTC

Restriction Sites: Please inquire

ACCN:	BC033638
Insert Size:	1830 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC033638.1 , AAH33638.1
RefSeq Size:	1830 bp
Locus ID:	114769
Cytogenetics:	11q22.3
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]