

## Product datasheet for MC209745

### Cops4 (NM\_012001) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cops4 (NM\_012001) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cops4  
**Synonyms:** AW208976; D5ErtD774e; SGN4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209745 representing NM\_012001  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGGCTGCCGTGCGACAGGATTTGGCCAGCTCATGAATCAAGCGGCTCTCATAAAGATCTGGCGG  
 GCAAATATCGTCAGATTCTGAAAAAGCCATTCAGTTATCTGGGACAGAACAAGTGAAGCATTGAAAGC  
 TTTTGTGAAGCGATGGTGAATGAGAATGTCAGCCTCGTGATCTCACGGCAACTGCTAACAGATTTCTGC  
 ACACACCTCCCTAACCTGCCAGACAGCAGCCAAAGGAGGTCTACCATTTACCTTGGAGAAGATCCAGC  
 CTCGGGTCAATTCCTTTGAAGAGCAGGTTGCTTCCATAAGACAGCATCTGGCATCTATTTATGAGAAGGA  
 GGAAGACTGGAGAAATGCAGCCCAAGTGTGGTGGGGATTCTCTGGAACAGGACAAAAACAGTACAAC  
 GTAGATTATAAGCTGGAGACTTACCTGAAGATTGCAAGGCTATACCTGGAGGATGACGATCCCGTCCAGG  
 CCGAGGCTTACATAAACCGAGCGTCCTTACTTCAGAACGAATCCACAAATGAACAGTTACAGATACTA  
 TAAGGTTTGCTATGCGCGTGTCTTGTATTACAGAAGGAAATTCATTGAGGCGCCAGAGGTACAATGAG  
 CTCTCTTACAAGACAATAGTCCATGAAAGTGAAGACTAGAGGCTTAAAGCATGCACTGCACTGCACCA  
 TCTTAGCATCGGCAGGACAGCAGCGCTCTCGGATGCTGGCTACTCTTTTTAAGGATGAAAGTGCCAGCA  
 ACTAGCTGCATATGGGATCCTAGAGAAGATGTACCTAGACAGAATCATCAGAGGGAACCAGCTTCAAGAA  
 TTTGCTGCTATGCTGATGCCACACCAAAAAAGCAACGACAGCTGATGGTCCAGCATCTTGACAGAGCTG  
 TTATTGAGCATAATTTGTGTGTCAGCAAGCAAATATATAACAATATCACCTTTGAAGAACTGGAGCTCT  
 TTTAGAGATCCCTGCAGCTAAGGCAGAAAAGATAGCATCTCAGATGATAACGGAAGGACGCATGAATGGG  
 TTTATTGACCAGATCGATGGAATAGTTCAATTTGAAACACGAGAAGCCCTGCCAACATGGGACAAGCAGA  
 TCCAGTCACTTTGTTTCCAAGTAAACAACCTCCTGGAGAAAATAGTCAGACGGCCCGGAGTGGACAGC  
 ACAAGCCATGGAAGCGCAGATGGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012001
<b>Insert Size:</b>	1221 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012001.2</a> , <a href="#">NP_036131.1</a>
<b>RefSeq Size:</b>	1771 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	26891
<b>UniProt ID:</b>	<a href="#">O88544</a>
<b>Cytogenetics:</b>	5 48.49 cM
<b>Gene Summary:</b>	<p>Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. Also involved in the deneddylation of non-cullin subunits such as STON2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFKBIA, ITPK1, IRF8/ICSBP and SNAPIN, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).</p>