

## Product datasheet for MC200798

### Cops6 (NM\_012002) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cops6 (NM\_012002) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cops6  
**Synonyms:** Sgn3; VIP/MOV34  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC014286 sequence for NM\_012002  
 CCACGCGTCCGGAAAATGGCGGCGCAGCTGCGGCGGGGCGAATGGGAGCGGAGGCAGCAGCGGCATGG  
 AAGTGGATGCAGCAGTCCCAGCGTGATGGCTCCGGAGTGACTGGGAGTGTTCGCTCGCTCTTCATCC  
 CCTTGTCATCCTTAACATCTCAGACCATTGGATCCGCATGCGCTCCAGGAGGGGCGGCCTATGCAGGTG  
 ATTGGGGCTCTGATCGGGAAGCAGGAGGGGCGAAATATCGAAGTGATGAACTCCTTTGAGCTGCTGTCCC  
 ACACCGTGAAGAGAAGATTATCATTGACAAAGAATATTATTACACCAAGGAGGAGCAGTTAAACAGGT  
 TTTCAAGGAGCTGGAGTTTCTGGTTGGTATACCACAGGGGGCCACCTGACCCCTCAGACATCCACGTC  
 CATAAGCAGGTGTGTGAGATAATTGAGAGTCCGCTCTTTCTGAAGTTGAACCTATGACCAAGCACACAG  
 ATCTTCTGTGACGCTTTTGTGCTGTGATCGATATAATCAATGGAGAGGCCACAATGCTGTTTGTGTA  
 GCTCACTTACACTCTGGCCACTGAGGAAGCTGAACGGATCGGTGTAGACCAGTGGCCCGGATGACAGCA  
 ACAGGCAGTGGGAGAACTCCACTGTGGCTGAACACCTGATAGCTCAGCATAAGTCCATCAAGATGCTGC  
 ACAGCCGTGTGAAGCTCATTTTGAATATGTCAAGGCCTCTGAAGCAGGAGAGGTTCCCTTCAACCATGA  
 GATCCTGCGGGAGGCCTATGCCCTATGTCACTGTCTTCCAGTTCTCAGCACTGACAAGTTCAAGACAGAC  
 TTTTATGATCAATGCAATGACGTGGGGCTCATGGCCTACCTCGGCACCATCACAAAAACGTGCAACACAA  
 TGAACCAAGTTTGTGAACAAGTTCAACGTCCTCTACGACCGACAAGGCATTGGCCGGCGAATGCGGGGACT  
 GTTTTTCTGATGATGTTTCTGGAAGGGATGGTGTGTGGGGCTCAGACAGCTGTTCCATGGACCTGAGTAC  
 CACATTCCTTTAGAGAACTCATTAAATAAAGAGCAGCCCTTAGCAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_012002  
**Insert Size:** 975 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).



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<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>	<u><a href="#">BC014286</a></u> , <u><a href="#">AAH14286</a></u>
<b>RefSeq Size:</b>	1135 bp
<b>RefSeq ORF:</b>	975 bp
<b>Locus ID:</b>	26893
<b>UniProt ID:</b>	<u><a href="#">O88545</a></u>
<b>Cytogenetics:</b>	5 G2
<b>Gene Summary:</b>	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. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFKBIA, ITPK1 and IRF8, 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. Has some glucocorticoid receptor-responsive activity (By similarity). Stabilizes COP1 through reducing COP1 auto-ubiquitination and decelerating COP1 turnover rate, hence regulates the ubiquitination of COP1 targets, including SFN (By similarity). [UniProtKB/Swiss-Prot Function]