

Product datasheet for **MC205707**

Cops7b (NM_172974) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cops7b (NM_172974) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cops7b |
| Synonyms: | D1Wsu66e; E130114M23 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC012659
 CCACGCGTCCGCCACGCGTCCGTGGAAGCTTGACAACCTGCAGGCAGGCTCTGGGAGGCCGAGACATCG
 GCGAAGAGAACAGAGAGTCGCGCGGGACAGATCTCAAGACCAGAGAATGGCAGGTGAACAGAAACCCCTCA
 AGTAACCTCTTGGAGCAGTTCATTTTATTAGCCAAAGGTACCAGTGGCTCAGCCCTACCCACTCTCATAA
 GCCAGGTGCTGGAGGCTCCTGGAGTTTATGTTTTGGAGAAGTCTGGAGTTGGCCAATGTTCCAGGAGCT
 TGCAGAAGGCGCTAATGCTGCGTATTTGCACTGCTGAACCTGTTGCCTATGGTACATACCCGGATTAC
 ATAGCCAACAAGGAGAGCCTGCCAGAAGTGAAGTGGCTCAGCAGAACAAGCTGAAGCATTTACCATCG
 TGAGCTTGGCATCAAGAATGAAGTGTATCCCTACTCTGTGCTGCTGAAAAGACCTGGAGATGAGGAATCT
 CAGGGAAGTAGAAGACCTTATCATTGAGGCTGTCTACACTGACATCATCCAGGGCAAAGTGGACAGCGA
 AATCAGCTCCTGGAAGTGGATTTCTGCATTGGCCGTGACATCCGGAAGAAAGATATCAATAACATTGTCA
 AGACCTTGCATGAGTGGTGTGACGGCTGTGAGGCAGTTCTCTGGGCATTGAGCAGCAGGTTCTGAGAGC
 CAACCAGTACAAAGAGAACCACCACCGGACTCAGCAGCAGGTGGAAGCCGAGGTTAGCAACATTAAGAAG
 AACTCAAAGCAACAGCATCCTCCTCAGCTCAGGAAATGGAGCAGCAGCTGGCTGAACGGGAGTGTCCCC
 CCCATACTGAGCAGAGGCAACCCACTAAGAAGATGTCAAAGTGAAGGTCTGGTCTCCAGCCGCCACTA
 GGGCCGGCTGGGGCAGCTGGCACTCAGCAGGCCTGGGTCAGGTCGGGAGGGGACCCAGGGCCTATTTT
 CGCCCTCTAACTGCAGTGTGATCCAGATCTGCCACCTTACCAGTACCTCCCATCCATTGGTAC
 CATTGCGGAAAATGATTGCTCCTCCCTTGCCTCCTTCCCTAGTTGTTCCCTTCCAGACTCAGGGGCTCAAT
 GGATGCCATCGTAACAGGGTCCAGCACTGCCAGCTTCCCTGCAGGGGCTCCTGTCTGTGATGGGCTA
 CCTCCCTCCAGTTGTTCTTTGCTCTGTGATTTTGTGAGGCTGGTCTAAGCTGGAGGCAGTTTACCC
 AGCCCCAAGGGATGACTGTGGAGGTGGCTCCTCTGAGTGAAGAGGGGGCTTGTCTTCCAGCCCCAT
 GTACCACAGTATCCCAATGGTGAAGTGTCTCTAGCCAGGTAGCCACATGTCCCTCTCCTGCCTTACC
 CCTGTTGGCAGTCCAGTTGAGGCCATGGAGGGATGTGGTGTGGGCTATGTTTACTAAACCTTTGGGTT
 TTCAGCCTCTTAAGCCCAGCCAGGATCTCTCATCAAGTTGGGGCACTGGGCTGACTAAACCCCTGGTCT
 GACACCAGTGGAGGGTGTCTGGGTCTGGGGCAGCAGAAGGTGTTTCTCCTAGCTTGGTGTCTCTGCTG
 GCTACTCTTGTGCTGTCTGACTGCACAGCCTTGATTTGGCATTTCGACCCAGCTACCCACTGGGATT
 GTCTGCCAGCAATTGCTCTCCCAAGATCTTTCATGCCTCCTGGCTGCCCTGGGGTAGGAGTGGTGGTGC
 CCAAGCCCTCAGACTGGTGAAGGACCATTGCTGCTTCTTCTCCCTCCTTGCCGCCCTCCTTGTCTGG
 CGACCCAGAGCCCTCTGATGACATCATACTCCACTCCTGGCCAGAGAAAAGGACTTGACTAGACTTTCTG
 AACTTGAACAGTTTCCAGTTATATTTTAAATTTTTTTTTTTTGTACAGGTTGATTCTAATACATTTCAACA
 TGCTTTTTTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_172974

Insert Size: 795 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:**
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: [BC012659](#), [AAH12659](#)

RefSeq Size: 2003 bp

RefSeq ORF: 795 bp

Locus ID: 26895

UniProt ID: [Q8BV13](#)

Cytogenetics: 1 43.97 cM

Gene Summary: 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, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.