

## Product datasheet for MR218549

### Cops7a (NM\_001164089) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cops7a (NM_001164089) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cops7a
Synonyms:	D6ErtD35e; SGN7a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218549 representing NM_001164089 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGCGGAGGTGAAGGTGACAGGGCAGAACCAAGAGCAGTTTCTGCTCCTTGCCAAGTCGGCTAAGG  
GGGCGGCACTGGCCACACTCATCCACCAGGTGCTGGAGGCCCTGGTGTCTACGTGTTGGGGAAGTCTGCT  
GGATATGCCTAATGTTAGAGAGCTGGCAGAAAGCGACTTGCCTCCACCTCCGGCTGCTCACAGTGTTC  
GCCTATGGGACCTATGCGGACTACTTAGCTGAAGCCAGGAATCTCCCCCACTGACTGACGCACAGAAGA  
ATAAGCTTCGACATCTGTCAAGTGTCACTCTGGCTGCCAAAGTCAAGTGTATCCCATATGCAGTGTTCGCT  
GGAGGCCCTTGCCCTTCGAAACGTGCGCCAGCTGGAAAGACCTTGTGATCGAGGCTGTGTATGCTGATGTC  
CTTCGTGGCTCTCTGGACCAGCGCAATCAGCGGCTAGAGGTTGATTACAGCATCGGGCGGGACATCCAGC  
GCCAGGACCTCAGTGCCATCGCCCCAGACCTGCAAGAGTGGTGCCTGGGCTGTGAGGTTGTGTTGTCGGG  
CATCGAAGAGCAGGTGAGCCGTGCCAACCCAGCACAAGGAGCAGCAGCTGGGCCTGAAGCAGCAGATCGAA  
AGTGAGGTTGCCAACCTTAAGAAAACCTTAAAGTTACGACAGCAGCTGCTGCTGCAGCCACCTCCCAGG  
ATCCTGAGCAACACCTGACAGAGCTGAGAGAACCAGCTTCTGGCACAACCAGCGCCAGCCAGCAGCAAGAA  
AGCCTCCAAGGGCAAGGGGGAGAAGATTAATCCCCAGTCCACTGTAAAGCCAAGTGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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:** [NM\\_001164089.3](#)

**RefSeq Size:** 1327 bp

**RefSeq ORF:** 834 bp

**Locus ID:** 26894

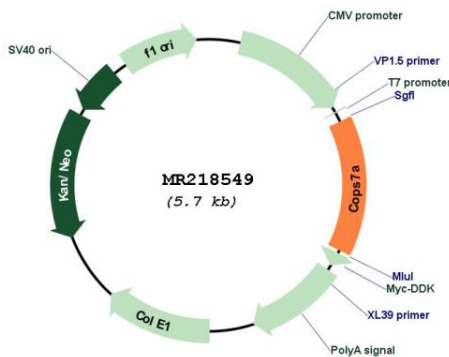
**UniProt ID:** [Q9CZ04](#)

**Cytogenetics:** 6 59.17 cM

**MW:** 30.9 kDa

**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]

**Product images:**



Circular map for MR218549