

Product datasheet for **MC200375**

Cops7a (NM_012003) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cops7a (NM_012003) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cops7a
Synonyms: D6Ertd35e; SGN7a
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003724 sequence for NM_012003
CCCACGCGTCCGCAGAGCCCCGACCTCGGCGCAGCCATGAGTGCGGAGGTGAAGGTGACAGGGCAGAAC
CAAGAGCAGTTTCTGCTCCTTGCCAAGTCGGCTAAGGGGCGGCCACTGGCCACACTCATCCACCAGGTGC
TGGAGGCCCTGGTGTCTACGTGTTGGGGAAGTCTGGATATGCCTAATGTTAGAGAGCTGGCAGAAAG
CGACTTTGCCTCCACCTTCGGGTGCTCACAGTGTTCCTATGGGACCTATGCGGACTACTTAGCTGAA
GCCAGGAATCTCCCCCACTGACTGACGCACAGAAGAATAAGCTTCGACATCTGTGAGTTGCTACTCTGG
CTGCCAAAGTCAAGTGTATCCCATATGCAGTGTGCTGGAGGCCCTTGCCTTCGAAACGTGCGCCAGCT
GGAAGACCTTGTGATCGAGGCTGTGATGCTGATGTCCTTCGTGGCTCTCTGGACCAGCGCAATCAGCGG
CTAGAGTTGATTACAGCATCGGGCGGGACATCCAGCGCCAGGACCTCAGTGCCATCGCCAGACCCTGC
AAGAGTGGTGCCTGGGCTGTGAGTTGTGTTGTCGGGCATCGAAGAGCAGGTGAGCCGTGCCAACACGCA
CAAGGAGCAGCAGCTGGGCTGAAGCAGCAGATCGAAAGTGAAGTTGCCAACCTTAAGAAAACCTATAAA
GTTACGACAGCAGCTGCTGCTGCAGCCACCTCCCAGGATCCTGAGCAACACCTGACAGAGCTGAGAGAAC
CAGCTTCTGGCACCAACAGCGCCAGCCAGCAAGAAAGCCTCCAAGGGCAAGGGACTCCGAGGGAGCGC
CAAGATTTGGTCCAAGTGAAGTGAAGGACTGTTTCTTCCCTGGGAATGTGGGGTCCCAGCTGCCTAC
CTGCCTACCCCTTAGGAGTCTCAGAGCCTTCTGTGCCCTGGCCAGCTGATAATGCTAGTTTACTACT
TTTCATCTCCTCCACCCCAAGCATAAGCCACACCCTCTGTAGGGAGGAGGCCAGTGCCAGTTCATGTTCT
GTTGGTACCTCTATGTGTTCCATGCTCTTCCCAGCAGCCTTGTCTCATCGTTCTTCCGCACTGTGTC
TGCCCATTAACCCCTGTGATTGAGCAGTTGGCAGTCTATGGAGGGTGTGGCTCTTAACCAACCCACACC
TACCCCTGCATGCCTAATCTGCAGTTCCTCCTCCTCCCCTTGCCTAGTGGGCTGCATCGAAAAGCCATG
GGGAAGGGGTCTCCACCTTATCCAGCCTTAGAGTTCTGGAGCCAGTCTGCTACCCTGGGAGTCGCTG
GACATTTTCTCCAGAACCCCATCACACTACAATTGTTTCTTCTCTCTCATCTCCTTGGGCCTGGGG
ATACTGCTGCTTCAAGTACCCAGAGCCTGAGAACAGCTATTTTTGAGATGTTAAGAAATGGTTCTTTGT
TGCTCATCATCTTAGGAAGCCCAATGGAATCCTGGAAGGATTTATATCTCCTCTGTGGTTCTGGTGGG
GAAGGAAATATAGATTGTATATTAATAAATAAATAAATAATATGAATAGGTCTATATATTGACACATGA
CACAGAAATAAATCTATGAGAAATCTATGTACAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_012003
Insert Size:	828 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:	BC003724 , AAH03724
RefSeq Size:	1655 bp
RefSeq ORF:	828 bp
Locus ID:	26894
UniProt ID:	Q9CZ04
Cytogenetics:	6 59.17 cM
Gene Summary:	<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. 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]</p> <p>Transcript Variant: This variant (1) encodes the shorter isoform (1). Variants 1, 3, and 4 encode the same protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>