

Product datasheet for MC203437

Cops3 (NM_011991) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cops3 (NM_011991) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cops3
Synonyms:	Csn3; Sgn3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC068179
CGCGAGCTTACCTCTGTTGCTCGGGCCACCAGCGGGGGAAACATGGCGTCTGCTCTGGAGCAGTTCGTG
AACAGTGTCCGACAGCTCTCAGCTCAAGGGCAAATGACTCAGCTTTGTGAACTCATCAACAAGAGTGGAG
AACTCCTTGCGAAGAAGTGTCCCATCTGGACACTGTGCTTGGGGCTTTAGATGTTCAAGAACACTCTTT
GGGTGTCCTTGCTGTTCTGTTTGTGAAGTTCTCAATGCCAGTGTTCCTGACTTCGAAACACTATTCTCA
CAGGTTACAGTCTTTCATCAGTACATGTAATGGCGAGCACATTCGATATGCAACAGATACGTTTGTGGGC
TTTGCCATCAGCTAACAAATGCACTTGTGGAAAGAAAACAGCCCTTCGAGGAATTGGCATCCTTAAGCA
AGCCATAGACAAGATGCAGATGAATACCAACCACTGACCTCAGTACATGCCGATCTCTGCCAGCTTTGT
TTACTAGCGAAGTGTCTTAAACCTGCCCTTCCATATCTTGATGTGGATATGATGGATATCTGTAAGAGA
ATGGAGCCTATGATGCAAAACACTTTCTGTGCTACTACTATTATGGAGGAATGATCTATACGGGGTGAA
GAACTTTGAAAGAGCGCTGTACTTTTATGAGCAGGCTATAACTACTCCTGCCATGGCCGTCAGCCATATC
ATGTTGGAATCATATAAAAAGTATATTCTAGTGTCTTTGATATTACTTGGCAAAGTACAACAGCTGCCTA
AATACACCTCTCAAATAGTGGGTAGATTTATTAAGCCTCTCAGCAATGCTTACCATGAGTTAGCACAAAGT
TTATTCACCAACAACCCGTCTGAGCTGCGGAACCTGGTGGAGCAAGCACAGCGAGACCTTCACTCGAGAC
ACAACATGGGCCTGGTGAAGCAGTGCCTGTCTCTTTATAAGAAGAATTTCAGAGGCTGACAAAGA
CTTTTTAACACTATCATTACAAGATATGGCAAGCCGTGTACAGTTATCTGGACCACAGGAGGCAGAAAA
ATATGTTCTACACATGATAGAAGATGGAGAAATTTTGAAGTATTAACCAGAAGGATGGAATGGTCAGT
TTCCATGATAACCCTGAGAAGTATAATAACCCAGCCATGCTTCATAACATCGACCAAGAGATGCTAAAAT
GCATAGAGCTGGATGAGCGACTGAAGGCTATGGACCAGGAGATCACGGTGAACCCCAAGTTTGTTCAAA
GAGCATGGGCTCACAAAGAAGATGACTCAGGAAACAAGCCCTCCAGCTACTCTTGAACACTAACCCCATCT
TGAGGTAAACAGAACCCTTGGCCTGGCAAGTGTGAAGAGCGCAGCAGGAAGTACCATGCGGGTTCATGCCG
GTTCTCTGACAGTCAGAAATTCAGTTTAAACATCTGCAGTCTCTATTGCTTTCAGAAAACCATCTCTG
CAAAGAAAGGAAAAAAAAAATCCTACTTTAGAGTCTGTTGTGGATTTATTTATCCTCAGATTGTTATTAC
TGCATTAAGTTACCTTTTTGTTTAAACCCCTTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI



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ACCN:	NM_011991
Insert Size:	1272 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:	BC068179 , AAH68179
RefSeq Size:	1590 bp
RefSeq ORF:	1272 bp
Locus ID:	26572
UniProt ID:	O88543
Cytogenetics:	11 B1.3
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, c-jun/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. Essential to maintain the survival of epiblast cells and thus the development of the postimplantation embryo.[UniProtKB/Swiss-Prot Function]