

Product datasheet for MR204710

Cops6 (NM_012002) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cops6 (NM_012002) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cops6
Synonyms:	Sgn3; VIP/MOV34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204710 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGCAGCTGCGCGGGGGCGAATGGGAGCGGAGGCAGCAGCGGCATGGAAGTGGATGCAGCAG
TCCCCAGCGTGATGGCCTCCGGAGTGACTGGGAGTGTTCGTCGCTCTTCATCCCCTTGTATCCTTAA
CATCTCAGACCATTGGATCCGCATGCGCTCCAGGAGGGCGGCCTATGCAGGTGATTGGGGCTCTGATC
GGGAAGCAGGAGGGCGAAATATCGAAGTGATGAACTCCTTTGAGCTGCTGTCCACACCGTGGAAGAGA
AGATTATCATTGACAAAGAATATTATTACACCAAGGAGGAGCAGTTTAAACAGGTTTTCAAGGAGCTGGA
GTTTCTGGGTGGTATACCACAGGGGGCCACCTGACCCCTCAGACATCCACGTCCATAAGCAGGTGTGT
GAGATAATTGAGAGTCCGCTCTTCTGAAGTTGAACCCTATGACCAAGCACAGATCTTCTGTACGCG
TTTTTGAGTCTGTATCGATATAATCAATGGAGAGGCCACAATGCTGTTGCTGAGCTCACTTACTCT
GGCCACTGAGGAAGCTGAACGGATCGGTGTAGACCACGTGGCCCGGATGACAGCAACAGGCAGTGGGGAG
AACTCCACTGTGGCTGAACACCTGATAGCTCAGCATAGTGCCATCAAGATGCTGCACAGCCGTGTGAAGC
TCATTTTAGAATATGTCAAGGCCTCTGAAGCAGGAGAGGTTCCCTTCAACCATGAGATCCTGCGGGAGGC
CTATGCCCTATGTCACTGTCTCCAGTTCTCAGCACTGACAAGTTCAAGACAGACTTTTATGATCAATGC
AATGACGTGGGGCTCATGGCCTACCTCGGCACCATCACCAAACGTGCAACACAATGAACCAAGTTTGTGA
ACAAGTTCAACGTCTCTACGACCGACAAGGCATTGGCCGGCGAATGCGGGGACTGTTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204710 protein sequence
 Red=Cloning site Green=Tags(s)

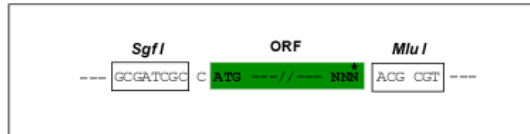
MAAAAAAGANGSGGSSGMEVDAAVPSVMASGVTGSVSVALHPLVILNISDHWIRMRSQEGRPMQVIGALI
 GKQEGRNIEVMNSFELL SHTVEEKIIIDKEYYYTKEEQFKQVKELEFLGWYTTGGPPDPSDIHVHKQVC
 EIIIESPLFLKLNPMTKHTDLPVSVFESVIDIINGEATMLFAELTYTLATEEAERIGVDHVARMATGSGE
 NSTVAEHLIAQHSIAIKMLHSRVKLILEYVKASEAGEVFPNHEILREAYALCHCLPVLSTDKFKTDFYDQC
 NDVGLMAYLGTITKTCNTMNFVNKFNVLVYDRQIGRRMRGLFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_012002

ORF Size: 975 bp

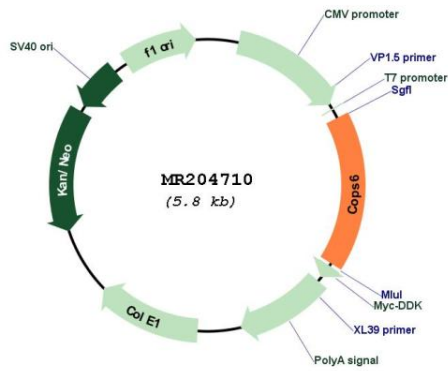
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	NM_012002.3
RefSeq Size:	1094 bp
RefSeq ORF:	975 bp
Locus ID:	26893
UniProt ID:	O88545
Cytogenetics:	5 G2
MW:	35.9 kDa
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, c-jun/JUN, IkkappaBalpha/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]</p>

Product images:



Circular map for MR204710