

Product datasheet for **RR214940**

Cops5 (NM_001025695) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cops5 (NM_001025695) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cops5
Synonyms: MGC112728
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214940 representing NM_001025695
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGCTTCCGGGAGTGGTATGGCCAGAAGACCTGGGAATTGGCCAACAACATGCAGGAAGCGCAGA
GTATCGATGAAATCTACAAATATGACAAAAACAACAAGAATCCTGGCGGCGAAACCCTGGACTAA
GGATCACCCTACTTTAAATACTGCAAAATCTCTGCGTTGGCACTGCTGAAAATGGTGATGCATGCCAGG
TCAGGAGGCAACCTGGAGGTGATGGGTTTATGCTCGGGAAAGTGGATGGAGAGACCATGATCATCATGG
ACAGCTTTGCTTTGCCTGTAGAGGGCACTGAAACCCGAGTAAATGCCAGGCTGCTGCATACGAGTACAT
GGCTGCATACATAGAAAATGCCAAACAGGTTGGCCGCCTTGAAGATGCAATTGGTTGGTATCACAGCCAC
CCTGGTTATGGCTGCTGGCTCTCCGGAATTGATGTTAGTACACAGATGCTTAACCAGCAGTTTCAGGAAC
CATTTGTAGCAGTGGTGATTGACCCAACCAGAACAATATCTGCAGGGAAGGTGAATCTTGGCGCCTTTAG
GACATATCCAAAGGGCTATAAGCCTCCTGATGAAGGACCTCAGAGTACCAGACTATCCCACTCAATAAA
ATAGAAGATTTGGCGTGCCTGCAAAACAATATTATGCCTTAGAAGTCTCATATTTCAAATCCTCTTTGG
ATCGTAAACTACTTGAGCTCTTGTGGAATAAATACTGGGTGAACACCCTGAGTTCCCTCTAGCTTGCTTAC
CAATGCTGACTATACCACAGCCAGGTGTTTATCTGTCTGAGAAGTTAGAGCAGTCGGAAGCCAGCTG
GGCGTGGGAGTTTCATGTTGGGTTTAGAAACACATGACCGCAAGTCAGAAGACAAACTGCCAAAGCTA
CGAGAGACAGCTGTAACCACCATAGAAGCCATCCATGGACTGATGTCTCAGGTTATTAAGGATAAACT
GTTAATCAAATTAACGTTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR214940 representing NM_001025695
 Red=Cloning site Green=Tags(s)

MTASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYCKISALALLKMMVMHAR
 SGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQAAAAYEYMAAYIENAKQVGRLENAIGWYHSH
 PGYGCWLSGIDVSTQMLNQFQEPFVAVVIDPRTTISAGKVNLGAFRTYPKGYKPPDEGPSEYQTIPLNK
 IEDFGVHCKQYYALEVSYFKSSLDRLKLELLWNKYWVNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQL
 GRGSFMLGLETHDRKSEDKLAKATRDSCKTTIEAIHGLMSQVIKDKLFNQINVA

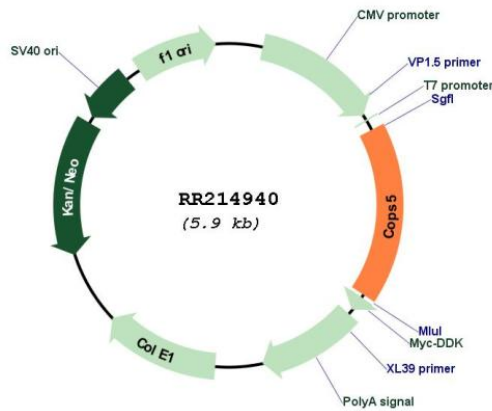
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025695

ORF Size: 1002 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_001025695.1 , NP_001020866.1 |
| RefSeq Size: | 1296 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 312916 |
| Cytogenetics: | 5q11 |
| MW: | 37.6 kDa |