

Product datasheet for **RN208327**

Cops8 (NM_001013227) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cops8 (NM_001013227) Rat Untagged Clone
Tag: Tag Free
Symbol: Cops8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208327 representing NM_001013227
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCAGTGGCGGTGATGGCGGACAACGCCTTCAGTTTCAGAAAGCTGTTGGATCAGTGCAGAGACCAGG
AGCTTGAGGCTCCTGGAGGAATCGCCACGCCAGTGTATGGTCAGCTTCTCGCTTTGATTTGCTGCA
GAACGACATGAATAATGCAAGATATCTTTGGAAGAGGATACCACCTGCTATAAAGCTGCAAATTCGAA
CTTGGGGGAATTTGGTCAGTAGGACAGCGAATCTGGCAAAGAGACTTCCCTGGGATCTATACGACCATCA
ACGCACACCAGTGGTCAGAGACTGTGCAGCCAATCATGGAAGCCCTTAGAGATGCAACAAGGAGGCGTGC
CTTTGCCCTGGTCTCGAAGCATACACCTCCATAATCGCAGACGACTTTGCAGCCTTTGTCGGACTTCT
GTGGAAGAGGCTGTGAAAGGTGTGTTGGAACAAGGATGGCAGGCTGACTCCACCACAAGAATGGTTCTTC
CCAGGAAGCCAGCCCCTGGAGCCCTGGATGTTTCCTTGAACAGGTTTATCCCTTATCAGAGCCTGCCCC
AGTTCGCCAATCCCAACGAGCAGCAGCTTGCCAGGCTCACCGATTACGTGGCTTTCTTGAAAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013227
Insert Size: 630 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).



[View online »](#)

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:	<u>NM_001013227.2, NP_001013245.1</u>
RefSeq Size:	1571 bp
RefSeq ORF:	630 bp
Locus ID:	363283
UniProt ID:	<u>Q6P4Z9</u>
Cytogenetics:	9q36
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, IkkappaBalpha/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]