

## Product datasheet for RC228794

### COPS7A (NM\_001164094) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COPS7A (NM_001164094) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COPS7A
Synonyms:	CSN7; CSN7A; SGN7a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228794 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGC~~CGAAGTGAAGGTGACAGGGCAGAACCAGGAGCAATTTCTGCTCCTAGCCAAGTCGGCCAAGG~~  
GGGCAGCGCTGGCCACACTCATCCATCAGGTGCTGGAGGCCCTGGTGTCTACGTGTTGGAGAAGTCTG  
GGACATGCCCAATGTTAGAGAGCTGGCTGAGAGTACTTGCCTCTACCTCCGGCTGCTCACAGTGT  
GCTTATGGGACATACGCTGACTACTTAGCTGAAGCCCGGAATCTTCTCCACTAACAGAGGCTCAGAAGA  
ATAAGCTTCGACACCTCTCAGTTGTACCCTGGCTGCTAAAGTAAAGTGTATCCCATATGCAGTGTGCT  
GGAGGCTCTTGCCTGCGTAATGTGCGGCAGCTGGAAAGCCTTGTGATTGAGGCTGTGTATGCTGACGTG  
CTTCGTGGCTCCCTGGACCAGCGCAACCAGCGGCTCGAGGTTGACTACAGCATCGGGCGGGACATCCAGC  
GCCAGGACCTCAGTGCCATTGCCGAACCTGCAGGAATGGTGTGTGGGCTGTGAGGTGCTGCTGTCAGG  
CATTGAGGAGCAGGTGAGCCGTGCCAACCAACAAGGAGCAGCAGCTGGGCCTGAAGCAGCAGATTGAG  
AGTGAGGTTGCCAACCTTAAAAAACCATTAAAGTTACGACGGCAGCAGCAGCCGAGCCACATCTCAGG  
ACCCTGAGCAACACCTGACTGAGCTGAGGGAACCAGCTCCTGGCACCACAGCGCCAGCCAGCAAGAA  
AGCCTCAAAGGGCAAGGGGCTCCGAGGGAGCGCCAAGATTTGGTCCAAGTCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC228794 protein sequence  
 Red=Cloning site Green=Tags(s)

MSAEVKVTGQNQEQLLLAKSAKGAALATLIHQVLEAPGVYVFGELLDMPNVRELAESDFSTFRLLTVF  
 AYGTYADYLAEARNLPLTEAQKNKLRHLSVVTLAAKVKCIPYAVLLEALALRNVRQLEDLVIEAVYADV  
 LRGLDQRNQRLEVDYSIGRDIQRDL SAIARTLQEWCVGCEVVL SGIEEQVSRANQHKEQQLGLKQQIE  
 SEVANLKKTIKVT TAAAAAATSQDPEQHL TELREPAPGTNQRQPSKKASKGKGLRGS AKIWSKSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1481\\_g01.zip](https://cdn.origene.com/chromatograms/ja1481_g01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001164094

**ORF Size:** 825 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:**

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\\_001164094.2](#)

**RefSeq Size:** 1919 bp

**RefSeq ORF:** 828 bp

**Locus ID:** 50813

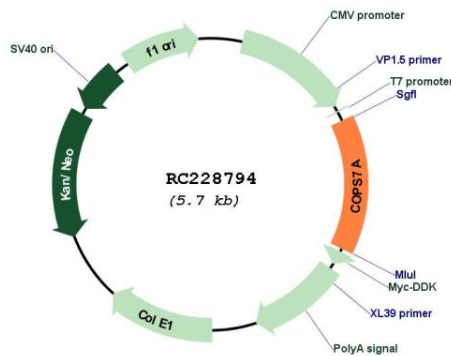
**UniProt ID:** [Q9UBW8](#)

**Cytogenetics:** 12p13.31

**MW:** 30.3 kDa

**Gene Summary:** This gene encodes a component of the COP9 signalosome, an evolutionarily conserved multi-subunit protease that regulates the activity of the ubiquitin conjugation pathway. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Mar 2014]

### Product images:



Circular map for RC228794