

Product datasheet for **SC330628**

COPS4 (NM_001258006) Human Untagged Clone

Product data:

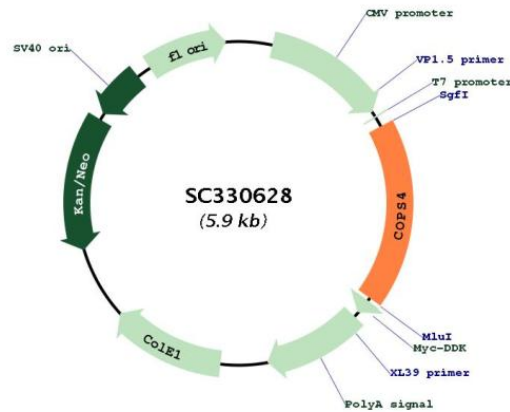
Product Type:	Expression Plasmids
Product Name:	COPS4 (NM_001258006) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPS4
Synonyms:	CSN4; SGN4
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330628 representing NM_001258006. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCGGCAGCCGTGCGACAGGATTTGGCCAGCTCATGAATTCGAGCGGCTCATAAAGATCTGGCT
GGCAAGTATCGTCAGATCCTGGAAAAAGCCATTCAGTTATCTGGAGCAGAACAAC TAGAAGCTTTGAAA
GCTTTTGTGGAAGCAATGGTAAATGAGAATGTCAGTCTCGTGATCTCGCGGCAGTTGCTGACTGATTTT
TGCACACATCTTCTAACTTGCCTGATAGCACAGCCAAAGAAATCTATCACTTCACCTTGGAAAAGATC
CAGCCTAGAGTCATTTCAATTTGAGGAGCAGGTTGCTTCCATAAGACAGCATCTTGCATCTATATAGAG
AAAGAAGAAGATTGGAGAAATGCAGCCCAAGTGTGGTGGGAATTCCTTTGGAAACAGGACAAAAACAG
TACAATGTAGATTATAAACTGGAGACTTACTTGAAGATTGCTAGGCTATATCTGGAGGATGATGCCA
GTCCAGGCAGAGGCTTACATAAATCGAGCATCGTTGCTTCAGAATGAATCAACCAATGAACAATTACAG
ATACATTATAAGGTATGCTATGCACGTGTTCTTGATTATAGAAGAAAATTCATTGAAGCTGCACAAAGG
TACAATGAGCTCTCTTACAAGACAATAGTCCACGAAAGTGAAAGACTAGAGGCCTTAAAACATGCTTTG
CACTGTACGATCTTAGCATCAGCAGGGCAGCAGCGTTCTCGGATGCTAGCTACTTTTTAAGGATGAA
AGGTGCCAGCAACTTGCTGCCTATGGGATCCTAGAGAAAATGTATCTAGATAGGATCATCAGAGGAAAT
CAACTTCAAGAATTTGCTGCCATGCTGATGCCTCACAAAAAGCAACTACAGCTGATGGTTCCAGCATC
TTGGACAGAGCTGTTATTGAACACAATTTGTTGTCTGCAAGCAAATTATATAATAATATTACCTTCGAA
GAACTTGGAGCTCTTTTAGAGATCCCTGCAGCTAAGCACGAGAAGCCCTGCCAACGTGGGATAAGCAGA
TCCAATCACTTTGTTTCCAAGTGA
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001258006

Insert Size: 1059 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:

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_001258006.1](#)

RefSeq Size: 1680 bp

RefSeq ORF: 1059 bp

Locus ID: 51138

UniProt ID: [Q9BT78](#)

Cytogenetics: 4q21.22

MW: 40.2 kDa

Gene Summary: This gene encodes one of eight subunits composing COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Transcript Variant: This variant (2) lacks an alternate coding exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.