

Product datasheet for **SC320374**

COPS4 (NM_016129) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS4 (NM_016129) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPS4
Synonyms:	CSN4; SGN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016129.2
 AGATGGCGGCAGCCGTGCGACAGGATTTGGCCAGCTCATGAATTCGAGCGGCTCTCATA
 AAGATCTGGCTGGCAAGTATCGTCAGATCCTGGAAAAAGCCATTTCAGTTATCTGGAGCAG
 AACAACTAGAAGCTTTGAAAGCTTTTGTGGAAGCAATGGTAAATGAGAATGTCAGTCTCG
 TGATCTCGCGGCAGTTGCTGACTGATTTTTGCACACATCTTCTAACTTGCCTGATAGCA
 CAGCCAAAGAAATCTATCACTTACCTTGAAAAAGATCCAGCCTAGAGTCATTTTCATTTG
 AGGAGCAGGTTGCTTCCATAAGACAGCATCTTGCATCTATATGAGAAAGAAGAAGATT
 GGAGAAATGCAGCCCAAGTGTGGTGGGAATTCCTTTGAAACAGGACAAAAACAGTACA
 ATGTAGATTATAAACTGGAGACTTACTTGAAGATTGCTAGGCTATATCTGGAGGATGATG
 ATCCAGTCCAGGCAGAGGCTTACATAAATCGAGCATCGTTGCTTCCAGAATGAATCAACCA
 ATGAACAATTACAGATACATTATAAGGTATGCTATGCACGTGTTCTTGATTATAGAAGAA
 AATTCATTGAAGCTGCACAAAGGTACAATGAGCTCTTACAAGACAATAGTCCACGAAA
 GTGAAAGACTAGAGGCCTTAAAACATGCTTTGCACTGTACGATCTTAGCATCAGCAGGGC
 AGCAGCGTTCTCGGATGCTAGCTACTCTTTTTAAGGATGAAAGGTGCCAGCAACTTGCTG
 CCTATGGGATCCTAGAGAAAATGTATCTAGATAGGATCATCAGAGGAAATCAACTCAAG
 AATTTGCTGCCATGCTGATGCCTCACAAAAAGCAACTACAGCTGATGGTTCCAGCATCT
 TGGACAGAGCTGTTATTGAACACAATTTGTTGTCTGCAAGCAAATATATAATAATATTA
 CCTTCGAAGAACTGGAGCTCTTTAGAGATCCCTGCAGCTAAGGCGGAAAAGATAGCAT
 CTCAAATGATAACCGAAGGACGTATGAATGGATTTATTGACCAGATTGATGGAATAGTTC
 ATTTTGAAACACGAGAAGCCCTGCCAACGTGGGATAAGCAGATCCAATCACTTTGTTTCC
 AAGTGAATAACCTTTTGGAGAAAATTAGTCAAACAGCACCAGAATGGACAGCACAAAGCCA
 TGGAAAGCCAGATGGCTCAGTGAATCCTTGCAGAACTTCTGTGCACATGACATCTTTTTCC
 CATGTTGTGCAGATCAGTTTCACTATCTCCAAAGCATTTCATCATGACCTTATACATTT
 CAATCCCTTTTATGCTGGATTCCGTTTAAAGAAGACATTATTAGAGCAGGAAGTACAAGC
 ATTTAAAATATGTAGTCCCATATATTTCAAGGCTCTGTGTATTAAGCTAACTCAGATG
 TTTTGAAGCTTTTTCTTTAAACAGAGGTGAAATATCTGTGGCTAAAAAGTTTGAGATTT
 GTGATAACTTTGTAGTCATGTAACCTTAAGTGTTCATGCCTCTCCAAATGTGGTTATT
 CTAATAAATGGAGAAATGAGCCAAATAAAAGTAGTACTTTGTTTTAGTTAAAAA
 AAAAAA

Restriction Sites: Please inquire

ACCN: NM_016129

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_016129.2](#), [NP_057213.2](#)

RefSeq Size: 1765 bp

RefSeq ORF: 1221 bp

Locus ID: 51138

UniProt ID: [Q9BT78](#)

Cytogenetics: 4q21.22

Domains: PCI

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 (1) encodes isoform (1).