

Product datasheet for **SC127467**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016129, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCAGCCGTGCGACAGGATTTGGCCAGCTCATGAATTCGAGCGGCTCTATAAAGATCTGGCTG
GCAAGTATCGTCAGATCCTGAAAAAGCCATTCAGTTATCTGGAGCAGAACAAGTGAAGCTTTGAAAGC
TTTTGTGGAAGCAATGGTAAATGAGAAATGTCAGTCTCGTGATCTCGCGGCAGTTGCTGACTGATTTTTG
ACACATCTTCTAACTTGCTGTAGCACAGCCAAAGAAATCTATCACTTCACCTTGAAAAAGATCCAGC
CTAGAGTCATTTCACTTTGAGGAGCAGGTTGCTTCCATAAGACAGCATCTGCATCTATATGAGAAAGA
AGAAGATTGGAGAAATGCAGCCCAAGTGTGGTGGGAATTCCTTTGAAAACAGGACAAAAACAGTACAAT
GTAGATTATAAACTGGAGACTTACTTGAAGATTGCTAGGCTATATCTGGAGGATGATGATCCAGTCCAGG
CAGAGGCTTACATAAATCGAGCATCGTTGCTTCAAGTGAATCAACCAATGAACAATTACAGATACATTA
TAAGGTATGCTATGCACGTGTTCTTGATTATAGAAGAAAATTCATTGAAGCTGCACAAAAGTACAATGAG
CTCTCTTACAAGACAATAGTCCACGAAAGTGAAGACTAGAGGCCTTAAAACATGCTTTGCACTGTACGA
TCTTAGCATCAGCAGGGCAGCAGCGTTCTCGGATGCTAGCTACTTTTTAAGGATGAAAGGTGCCAGCA
ACTTGCTGCCTATGGGATCCTAGAGAAAATGTATCTAGATAGGATCATCAGAGGAAATCACTTCAAGAA
TTTGCTGCCATGCTGATGCCTCACAAAAAGCAACTACAGCTGATGGTCCAGCATCTTGGACAGAGCTG
TTATTGAACACAATTTGTTGCTGCAAGCAAATATATAATAATATTACCTTCAAGAAGCTTGGAGCTCT
TTTAGAGATCCCTGCAGCTAAGCGGAAAAGATAGCATCTCAAATGATAACCGAAGGAGTATGAATGGA
TTTATTGACCAGATTGATGGAATAGTTCAATTTTGAACACGAGAAGCCCTGCCAACGTGGGATAAGCAGA
TCCAATCACTTTGTTTCCAAGTGAATAACCTTTTGGAGAAAATTAGTCAAACAGCACCAGAATGGACAGC
ACAAGCCATGGAAGCCAGATGGCTCAGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016129 unedited ATACGACTCATATAGCGGCCGCGACATTCGCACGAGGAGATGGCGGCAGCCGTGCGACA GGATTTGGCCCAGCTCATGAATTCGAGCGGCTCTCATAAAGATCTGGCTGGCAAGTATCG TCAGATCCTGGAAAAAGCCATTCAGTTATCTGGAGCAGAACTAGAAGCTTTGAAAGC TTTTGTGGAAGCAATGGTAAATGAGAATGTCAGTCTCGTGATCTCGCGGCAGTTGCTGAC TGATTTTTGCACACATCTTCTAACTTGCTGATAGCACAGCCAAAGAAATCTATCACT CACCTTGGAAAAAGATCCAGCCTAGAGTCATTTTTCATTTGAGGAGCAGGTTGCTTCCATAAG ACAGCATCTTGCACTATATATGAGAAAGAAGAAGATTGGAGAAATGCAGCCCAAGTGTT GGTGGGAATTCCTTTGGAAACAGGACAAAAACAGTACAATGTAGATTATAAACTGGAGAC TTACTTGAAGATTGCTAGGCTATATCTGGAGGATGATGATCCAGTCCAGGCAGAGGCTTA CATAAATCGAGCATCGTTGCTTCAGAATGAATCAACCAATGAACAATTACAGATACATTA TAAGGTATGCTATGCACGTGTTCTTGATTATAGAAGAAAATTCATTGAAAGCTGCACAAA GGTACAATNGAGCTCTCTACAAGACANNATAGTCCACGAAAGTAAAAGACTTAGAGGCC TTAACAATGCTTTGCACTGGTACGATCTTAGCATCAGCAGGGCAGGCAGCGTTCTCGGA TTGCTAGCTACTCTTTTAGGATGAAAAGGTGCCAGCACTTTGCTGCTTTTTGGGATCC TAGAGAAAATGTATCTAGAATAGGATCATCAGAGGNAATCACTTCAGAAATTTGCTGGC ATGCTGGAAGGCTAACCCAAAAGCAACTACCGCTTGATGCCGAAAAGATAACTCTCAATG TAACCCAGGACCTTGGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016129 unedited GTTTTGNNACCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGCTCATT CTCCATTTATTAGAATAACACATTTGGAGAGGCATGAAGCACTTAAGTTTTACATGACT ACAAGTTATCACAATCTCAAATTTTTAGCCACAGATATTTACCTCTGTTTAAAGAA AAAGCTTTCAAACATCTGAGTTAGCTTAATACACAGAGACCCTGAAATATATGGGAACT ACATATTTTAAATGCTTGTACTTCTGCTCTAATAATGCTTCTTTAAACGGAATCCAGC ATAAAAGGGATTGAAATGTATAAGGTCATGATGCAAAATGCTTTGGAGATAGCGAACTGA TCTGCACAACATGGAAAAAGATGTCATGTGCACAGAAGTTCTGCAAGGATCACTGAGCC ATCTGGGCTTCCATGGCTTGGCTGTCCCTTCTGGTGTGCTTGACTAATCTTCTCCAAA GGTTATCACTTGGGAACAAAGCGATTGGATCTGCTTATCCCACGTTGGCCGGCCCTCTC CCGCTCCAAAATGACCCCTCCCTCCATCTGGCCATAAAAAACATTTCCCGGCTTCCGGTAT CATTTGCGAGCTACTTTTTCCCCCAGCTGGACTCCCTTTGGGAGCGCTCCCTGGCCC GCAAACCTCGACGTGGCTTCCCTCGGGGACCCACCCAGACCCCCCTCTCCGATCCC CTAGGCAGCAGCTTTTTGCCCCCTCCATCTCTACACACAACCTCTCCCTTTTCAGACCG CCGCTGCCCTCGCGTACCCCATACACCTCCCGCCACCCTGTTTAAAGCCCTAAATTC CTCCTCCAGGGGCCCTCGGCTTCGCACCACCCCTTTCGCCCTTTTGCCTCCCTCCCGC ACCTTTCTCCCTTCAACAACCTTCTCTACTCTCCCGC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016129
Insert Size:	1460 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_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).