

## Product datasheet for **SC108821**

### **COPS8 (NM\_006710) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	COPS8 (NM_006710) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPS8
Synonyms:	COP9; CSN8; SGN8
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108821 sequence for NM_006710 edited (data generated by NextGen Sequencing) ATGCCAGTGGCGGTGATGGCGAAAGCGCCTTTAGTTTCAAAAAGTTGCTGGATCAGTGC GAGAACCCAGGAGCTCGAGGCCCTGGAGGAATTGCTACACCCCCAGTGTATGGTCAGCTT CTAGCTTTATATTTGCTCCATAATGACATGAATAATGCAAGATATCTTTGAAAAGAATA CCACCTGCTATAAAATCTGCAAATTCTGAACTTGGGGGAATTTGGTCAGTAGGACAAAGA ATCTGGCAGAGAGATTTCCCTGGGATCTATACAACCATCAACGCTCACCAGTGGTCTGAG ACGGTCCAGCCAATTATGGAAGCACTTAGAGATGCAACAAGGAGACGCGCCTTTGCCCTG GTCTCTCAAGCGTATACTTCAATCATCGCCGATGATTTTGCAGCCTTTGTTGGACTTCT GTAGAAGAGGCTGTGAAAGGCATATTAGAACAAGGATGGCAAGCTGATTCCACCACAAGA ATGTTTCTGCCAGAAAGCCAGTTGCAGGGGCCCTGGATGTTTCTTTAACAAGTTTATT CCCTTATCAGAGCCTGCTCCAGTTCCCAATACCCAATGAACAGCAGTTAGCCAGACTG ACGGATTATGTGGCTTTCCTTAAAACTGA  Clone variation with respect to NM_006710.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006710 unedited            GTATACGACTCACTATAGGGCGGCCGATTTCGGCACGAGGCGACGCCTGAGGGACAGTC            TGGGGTTTGGCTGTCCGGACGGTGCAGCGGCGAGGCCGGCCGGAAGATGCCAGTGGCGG            TGATGGCGGAAAGCGCCTTTAGTTTCAAAAAGTTGCTGGATCAGTGCGAGAACCAGGAGC            TCGAGGCCCTGGAGGAATTGCTACACCCCAAGTGTATGGTCAGCTTCTAGCTTTATATT            TGCTCCATAATGACATGAATAATGCAAGATATCTTTGGAAAAGAATACCACCTGCTATAA            AATCTGCAAATTCTGAACCTTGGGGGAATTTGGTCAGTAGGACAAAGAATCTGGCAGAGAG            ATTTCCCTGGGATCTATACAACCATCAACGCTCACCAGTGGTCTGAGACGGTCCAGCCAA            TTATGGAAGCACTTAGAGATGCAACAAGGAGACGCGCCTTTGCCCTGGTCTCTCAAGCGT            ATACTTCAATCATCGCCGATGATTTTGCAGCCTTTGTTGGACTTCTGTAGAAGAGGCTG            TGAAAGGCATATTAGAACAAGGATGGCAAGCTGATCCACCACAAGAATGGTTCTGCCCA            GAAAGCCAGTTGCAGGGGCCCTGGATGTTTCTTTAACAAGTTTATTCCCTTATCAGAGC            CTGCTCCCAGTTCGCCCAATACCAATGAACAGCAGTTACCCAGACTGACGGATTATGTG            GCTTTCTTGAAGACTGATTTACTCTGAGTCCAGAATTCTCTTTAGAATCCTGTATA            CTGACCAACGTAAAAAATGTAAGTTTGTATTTTCAATTATTGAATGGCTTAGCACCTCA            CATTCTTTCTTTGGGTAAATCCTTTTGAATTTAGATTTCTTTTCTTTTGCCTTACCG            TTTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006710 unedited            TGTCTCTGCTTCTTCGTTCTCTCCCTCCCTTCTTCTCCCCCCCCCACAACCTTTAT            CTCTAGANCNCNGCGGCCCGTCTATTCTCANCATNCGNGNTCTTTTTCTTTTCT            TCTTTTACAGTCTAAATATTACTATTGAACAAATGCAGAGTAAATGAACTAAGGGCTGTT            ATAACCTTAAGTTACAACAAACAACCTTCAAATATTCACAGGGCTGTCACACAGAGATGA            AAGACTTGCTCAGTATTTCTCAAAGGGCAGAACTTGAGCCAAGCGATAAATATAACCAA            CCAATGGGCTGCAGGATACTTGTACAAAGCGTATCATGTATCTTCATAGCTTCTTTGCC            ATATAATGCATTCCACACTTAAGTTTCTCCTTCTAAAAGGCGACAGCACAAAGTTAATATG            TCTCATAAATGTCTTAAATAAGCCGATTTTTCATGGCAAGCCCTCCACTGCCAGCAATG            GATATACTCACACTATTGGAAAAAATCTACAAGTTAACAACCTGGTTTAGTATGGAAATG            GTCTATTTGTTCCCTCCACCTATGTCCCCTGTATCTTACATTAGTGGCCTCCAGGAGGTG            GGGGGTAAAAAGAGACCATGCCCTCCCAACCAGGCGAATCATAACCTCCCCCGTGATTC            AAATACTGGGCCCTCGGGGACCATCTTTTTCTCCGGCCCACTCGACCTTCTCTTCTCAAC            CACAGCACATCAATAATACCGCTTGCCCTGGGACAAAGAAAAGACCCCGCCACACACT            ATTCTACCTGAAAAAGGAAAAATTTATTTTATACCCCACTAAAAAACCAACTGCCCACT            GCCGCGTCCCTCCACATTTTTAACCCCAAAAACGCGACCTGTTTAAACCCCCCCCCCC            AACCTGTTTCCGACCAAAGGAACACAATATACCCCTAAATTCTATAGTTATCCTACCCCA            CTCCACGGAACCTTGGGCGCTCCAACATCTCCAATG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006710
<b>Insert Size:</b>	1710 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_006710.4](#), [NP\\_006701.1](#)

**RefSeq Size:** 2274 bp

**RefSeq ORF:** 630 bp

**Locus ID:** 10920

**UniProt ID:** [Q99627](#)

**Cytogenetics:** 2q37.3

**Gene Summary:** The protein encoded by this gene is one of the eight subunits of 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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (1).