

Product datasheet for **SC111899**

COPS8 (NM_198189) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS8 (NM_198189) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPS8
Synonyms:	COP9; CSN8; SGN8
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF sequence for NM_198189 edited ATGCCAGTGGCGGTGATGGCGGAAAGCGCCTTTAGTTTCAAAAAGTTGCTGGATCAGTGC GAGAACCAGGAGCTCGAGGCCCTGGAGGAATTGCTACACCCCAAGTGTATGGTCAGCTT CTAGCTTTATATTTGCTCCATAATGACATGAATAATGCAAGATATCTTTGGAAAAGAATA CCACCTGCTATAAAATCTGCAAATCTGAACTTGGGGGAATTTGGTCAGTAGGACAAAGA ATCTGGCAGAGAGATTTCCCTGGGATCTATAACAACATCAACGCTCACCAGTGGTCTGAG ACGGTCCAGCCAATTATGGAAGCACTTAGAGATGCAACAAGGAGACGCGCCTTTGCCCTG GTCTCTCAAGCGTATACTTCAATCATCGCCGATGATTTTGCAGCCTTTGTTGGACTTCT GTAGAAGAGGCTGTGAAAGGCATATTAGAACAAGGATGGCAAGCTGATTCCACCACAAGA ATGTTTCTGCCAGAAAGCCAGTTGCAGGGCCCTGGATGTTTCTTTAACAAGTTTATT CCCTTATCAGAGCCTGCTCCAGTTCCCAATACCCAATGAACAGCAGTTAGCCAGACTG ACGGATTATGTGGCTTTCTTTGAAAAGTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198189 unedited GGGGATGTTTCAGATTTTGTNATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGT CCGGACGGTGCAGCGCCGAGGCCGGCCGCGAAGATGCCAGTGGCGGTGATGGCGGAAAGC GCCTTTAGTTTCAAAAAGTTGCTGGATCAGTGCAGAACAGGAGCTCGAGGCCCTGGA GGAATTGCTACACCCCAGTGTATGGTCAGCTTCTAGCTTTATATTTGCTCCATAATGAC ATGAATAATGCAAGATATCTTTGGAAAAGAATACCACCTGCTATAAAAATCTGCAAATTTCT GAACCTGGGGGAATTTGGTCAGTAGGACAAAGAATCTGGCAGAGAGATTTCCCTGGGATC TATACAACCATCAACGCTCACCAGTGGTCTGAGACGGTCCAGCCAATTATGGAAGCACTT AGAGATGCAACAAGGAGACGCGCCTTTGCCCTGGTCTCTCAAGCGTATACTTCAATCATC GCCGATGATTTTGCAGCCTTTGTTGGACTTCTGTAGAAGAGGCTGTGAAAGGCATATTA GAACAAGGATGGCAAGCTGATTCCACCACAAGAATGGTTCTGCCAGAAAGCCAGTTGCA GGGGCCCTGGATGTTTCTTTAACAAAGTTTATCCCTTATCAGAGCCTGCTCCAGTTCCC CCAATACCAATGAACAGCAGTTAGCCAGACTGACGGATTATGTGGCTTTCCTTGAAAAC TGATTTTACTCTGAGTTCAAGATTCATCTTCAGAATCTGTATACTGACAAACGTAGA AATGTAAGTTTGTATTTTCAATTTATTGGATGGCTTAAGCACCTCAGCATTCTTACTA TGTNGATANATACATATAGAAATATAGATATACTATATACATTNTGTCCATAAACGTTAT GCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_198189
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:	<ol style="list-style-type: none"> 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:	<u>NM_198189.2</u> , <u>NP_937832.1</u>
RefSeq Size:	2339 bp
RefSeq ORF:	483 bp
Locus ID:	10920
UniProt ID:	<u>Q99627</u>
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 (2) contains an additional exon compared to variant 1, resulting in translation initiation from a downstream start codon and an isoform (2) with a shorter N-terminus compared to isoform 1.