

## Product datasheet for **SC322137**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322137  
 AGCGGATTCCCTCTGGCTGCGGTTCCGAGAATAGCCTGGAAGGAGGCAGGGGTCCCGGCT  
 GGAGAAGCGTGGCTCCGGGGTGGGGCGTGCAGGGCTAGCCCGGGCGGGGACGCTGCCCA  
 ACAAGCAGGTTTTCGGGAGACTCACACCTTAGATTCTGAGTTTTTAAGCTTGTTCCTCAG  
 AGCAGGGAACCTACGAACGTTTCGTGAGCACCTACGGTATGCAGGGTACGGTGCAGGACC  
 CTAGCGTCACTGACGACCGGGACAGCCGAGCAGCTGCAGGATCCGTCGTGTTCCCGAGCA  
 ATTTTAATATTTAAAAATTCGTTACTGTTGCTGTTACTGTTTCTATGTATTGGATGTC  
 TTCGTGAAGAACCCTCAAAGTGCAACGAACCTCCCTGCCAGAGGGCGGCCGCGCGCT  
 CTGAGTACAGCTTCCCGCGGAGCCGCGCCAGGTCCTCCAGGGCACCGAGAAAGCCGCCAG  
 AACGGCGGCGCCCTATCCCGGCCGACGCGATGTCTGACGGCGCCCGGAACTGACGGTCT  
 GGTACGCAGGGGCGCTCGCGGCAACGGCGGCTTAAACGTATCGCGGGCGCGACGCT  
 GAGGGACAGTCTGGGTTTGGCTGTCCGGACGGTGCAGCGGCGAGGCCGCGCCGGAAGAT  
 GCCAGTGGCGGTGATGGCGAAAGCGCCTTTAGTTTCAAAGTTGCTGGATCAGTGCGA  
 GAACCAGGAGCTCGAGGCCCTGGAGGAATTGCTACACCCCAAGTGTATGGTCAGCTTCT  
 AGCTTTATATTTGCTCCATAATGACATGAATAATGCAAGATATCTTTGGAAAAGAATACC  
 ACCTGCTATAAAATCTGCAAATTCGAACTTGGGGGAATTTGGTCAGTAGGACAAAAGAT  
 CTGGCAGAGAGATTTCCCTGGGATCTATACAACATCAACGCTCACCAAGTGGTCTGAGAC  
 GGTCCAGCCAATTATGGAAGCACTTAGAGATGCAACAAGGAGACGCGCCTTTGCCCTGGT  
 CTCTCAAGCGTATACTTCAATCATCGCCGATGATTTTGCAGCCTTTGTTGGACTTCTGT  
 AGAAGAGGCTGTGAAAGGCATATTAGAACAAGGATGGCAAGCTGATTCACCACAAGAAT  
 GGTTCGCCCAGAAAGCCAGTTGCAGGGGCCCTGGATGTTTCTTTAACAAGTTTATTCC  
 CTTATCAGAGCCTGCTCCAGTCCCCCAATACCAATGAACAGCAGTTAGCCAGACTGAC  
 GGATTATGTGGCTTTCCTTGAAGAACTGATTTATCACTCTGAGTTCAGATTTCATCTTCAG  
 AATCCTGTATACTGACAAACGTAGAAATGTAAAGTTTGTATTTTCAATTTATTGGATGGC  
 TTAAGCACCTCAGCATTCTTACTATGTGATAAAATACATATAGAATATAAGATATACTA  
 TATACATTTTGTCCATAAACGTTATGCTGAATAGTTGTTGAAACAGTTCTCATTTTGTAG  
 TATTTAATAATCTGGATGGAGCCTGTCAGTATTACAGTTAGTTTTCTAGTGACTCATAAA  
 ATAAGATTTCTGTTTCATGTAGAATAGTGTGTTGCAACTGTCTTTTCTGTCCAGCA  
 CATGCCGACTCTTATATGTACCATTGGTTGATAATTATAATGATTTCATTTGGACTTGAA  
 GAAAGATTGTCCCAGGCACAGTATCTGAATCACTGGGGATTATGATTCACCCTCTTTGG  
 AGAACATGCTCTCTTTTACCCCCACCTCCTGAGAGCCACTAATGTAAGATACAGAAAC  
 ATAGCTGAGGAACAAATAGACCATTTCCATACTAAACCAGTTTGTAACTTTAGATTTTT  
 TCCAATAGTGTGAGTATATCCATTGCTGGCAGTGGAGGGCTTGCCATGAAAATGCAACT  
 ATTTAAGACATTTATGAGACATATTAACCTTGTGCTGTGCGCTTTTAGAAGGAGAACTTA  
 AGTGTGGAATGCATTATATGGGCAAGAAGCTATGAAGATACATGATACACTTTGTACAA  
 CTATCCTGCAGCCATTGGTTGCTTATATTTATCGCTTGGCTCAAGTTCTGCCCTTTGGA  
 GAAATACTGAGCAAGTCTTTTCTCTGTGTGACAGCCCTCTGAATATTTGAAGTTGTT  
 TGTTGTAACCTAAGGTTATAACAGCCCTTAGTTCATTTACTCTGCATTTGTTCAATAAAT  
 ATTTAACCGAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_006710
- 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.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_006710.4</a></u> , <u><a href="#">NP_006701.1</a></u>
<b>RefSeq Size:</b>	2274 bp
<b>RefSeq ORF:</b>	630 bp
<b>Locus ID:</b>	10920
<b>UniProt ID:</b>	<u><a href="#">Q99627</a></u>
<b>Cytogenetics:</b>	2q37.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>