

## Product datasheet for **SC117839**

### **COPS3 (NM\_003653) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	COPS3 (NM_003653) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPS3
Synonyms:	CSN3; SGN3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

```
>OriGene sequence for NM_003653 edited
GAATTCGGCACGAGGGCCCTCCTCCAGAGCGGCAGCCTTTCCCGCGCGTGCTGCCTT
CGCCGCTCGGGCCGCCCGGGGAAAACATGGCGTCTGCCCTGGAGCAGTTCTGTAACAGT
GTCCGACAGCTCTCAGCTCAAGGGCAAATGACACAGCTTTGTGAAGTATCAACAAGAGT
GGGAACTCCTTGCGAAGAACTTATCCCATCTGGACACTGTGCTCGGGGCTCTGGATGTA
CAAGAACAACCTTTGGGCGTCTTGTCTGTTTTGTTTGTGAAGTTTTCTATGCCAGTGTT
CCTGACTTCGAAACGCTATTCTCACAGGTTACAGCTCTTCATCAGCACTTGAATGGGGAG
CACATTCGATATGCAACAGACACTTTTGTCTGGGCTTTGCCATCAGCTAACAAATGCACTT
GTGAAAAGAAAACAGCCCTGCGAGGAATTGGCATCCTTAAGCAAGCCATAGACAAGATG
CAGATGAATACAAACCAGCTGACCTCAATACATGCTGATCTCTGCCAGCTTTGTTTGCTA
GCAAAATGCTTTAAGCCTGCCCTCCATATCTTGACGTGGATATGATGGATATCTGTAA
GAGAATGGAGCCTATGATGCAAAACACTTTTTATGTTACTATTATTATGGAGGGATGATT
TATACTGGGCTGAAGAACTTTGAAAGAGCTCTCTACTTTTATGAACAGGCTATAACTACT
CCTGCCATGGCGGTGAGTCATATCATGTTGGAATCATATAAAAAGTATATTTTAGTGTCT
TTGATATTACTTGGCAAAGTACAACAGCTACCAAATATACATCTCAAATTTGGGGTAGA
TTCATTAAGCCTCTTAGCAATGCATACCACGAGTTAGCACAAGTGTATTCAACCAACAAC
CCCTCAGAACTCCGAAACCTGGTGAATAAGCACAGTGAACCTTCACTCCGATAACAAC
ATGGGGCTGGTGAAGCAATGCTTGTCTCTTTATAAGAAGAATATTCAGAGGTAACA
AAGACCTTTTTAACTCTATCATTACAAGATATGGCAAGTCGTGTGCAGTTGTCTGGACCT
CAGGAGGCAGAGAAAACGTTCTGCACATGATAGAAGATGGTGAGATTTTTGCAAGTATT
AACCAGAAGGACGGTATGGTCAGTTCCATGATAACCCGAAAAATATAATAACCCAGCC
ATGCTTCATAACATTGATCAGGAGATGCTGAAGTGCATTGAGCTGGATGAGCGGCTGAAA
GCCATGGACCAGGAGATCACAAAGTAAACCTCAGTTTGTACAAAAGAGTATGGGCTCACAA
GAAGATGATTCAGGAAACAAACCATCCAGTTATTCTTGAAACTAACATCCATCCTGAGCT
AAACAAGAGAAACTACCATCTTGCCAGTGAACAAGTGTTCGGAGGGCAGCAGAGAGGACC
AAGCCTGTGTACCTGGAGACTAAGAAATTAAGTTTTGTTTTGACATCTTCAGTCTGTG
TGCTTTCAGAAAACCATTTTCTCTGCAAAGAAAGGAAACAGATTTGCAAACCTTTAAAGTC
TGTCGTGGATTTATTTATCCTCAGATTATTGTTACTGCATTAATCTACCTTTTTGTTTC
AAAAAAAAAAAAAAAAAACTCGAC
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_003653 unedited
GCGTTGACATTTGTATACGACTCCTATAGGCGGCCGCAATTCGCACGAGGCCCTCCT
CCCANAGCGGCAGCCTTTTCCCGCGCGTGCTGCCTTCGCCGCTCGGGCCGCCCGGGGAA
AACATGGCGTCTGCCCTGGAGCAGTTCCGTGAACAGTGTCCGACAGCTCTCAGCTCAAGGG
CAAATGACACAGCTTTGTGAAGTATCAACAAGAGTGGGAACTCCTTGCAGAAGAACTTA
TCCCATCTGGACACTGTGCTCGGGGCTCTGGATGTACAAGAACAACCTCCTTGGGCGTCTT
GCTTTTTGTTTGTGAAGTTTTCTATGCCAGTGTTCCTGACTTCGAAACGCTATTCTCA
CAGGTTACAGTCTTCATCAGCACTTGAATGGGAGCACATTTCGATATGCAACAGACACT
TTTGCTGGGCTTTGCCATCAGCTAACAAATGCACTTGTGAAAAGAAAACAGCCCTGCGA
GGAATTGGCATCCTTAAGCAAGCCATAGACAAGATGCAGATGAATACAAACCAGCTGACC
TCAATACATGCTGATCTCTGCCAGCTTTGTTTGTAGCAAAATGCTTTAAGCCTGCCCTT
CCATATCTTGACGTGGATATGATGGATATCTGTAAGAGAATGGAGCCTATGATGCAAAA
CACTTTTTATGTTACTATTATTATGNGAGGGATGATTTACTGGGCTGAAGAACTTTGA
AAGAGCTCTCTACTTTTATGAACAGGCTATAACTACTCCTGCCATGGCGGTGAGTCATAT
CATGTTGGAATCATATAAAAAGTATATTTTAGTGTCTTTGATATTACTGGNCAAAGTA
CAACAGCTACCAAATATACATCTCAAATTTGGGGTAGATTTCATTAAGCCTCTTAC
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003653 unedited CCGCGATCCAAAGTCGCGTTCTGTTCTTTTCTTTTGAACACAATGTAGGATCTAAGGCA GGAGCACTAATGGGAGGATAAATGACCACACCCACGGGACTCCAGAGATACGCAAACTG ATTCCTTTCTTTGACAAGAAAATGGCTGTGTGCAAGCACACAAGACTGAACATGGCAAAA CAAAGCTTAATTTCTTAATCCCCAAGAGACACAGGCTTGGTCTCTCTGCTGACCTACGA GACACTTGTCACTGGCCAACATGGTAGTTTCTCTTGTTTAACTCAAGACGGATGTTTATA TCAAGAACAACCTGGATGGCTGGTTTCTGACTCATCCTCTTGGGAGCCCATACTCTCTCT GTACAAAACCTGACGGTTCCTGCGATCTACTGGCCATGGCTTTCAACCGCTCATGCAGCT AAATGCACCTTCAGCATCTCTGATCAATGCTATGAAGCCTGGCTGGGTTATTATATTTTT CAGGGTGATCATGGAACTGACCATACCGTCTTATGATTAATACTTGCGAAAATCTCAC CATCTTCTATCATGTGCAGAACGCATTGCTCTGCCTTCTGATGACCAGACAACCTGCACAC CACTGGCCATATCATTGTATGATATAAGCAACACAGGTCTGTGGTATCCTCTGAATACCT TCTTATAAAGAGAGACAAGCATTGCTTACCAACACATGTTGTTATCGTGAGTGAAAGT CTGACTGCGCTCATTACCAGATTTGAGAGTCCCACGGGGTCTCGCTAAATACACTGTAG CTACTCGAGCATGCATGCTTACAGGCTCTTGATTTACCACATCTTACATGATTTTGAGTC CTGCCGACCTTGCCANCTGTTCAACGCACCAAAGTACTTTTATTGATTGCACAGATTGAC TGACCGCCTGCCGCATATTTTAGCCGTCATAAGGAAACACCCCTCCAGGTCCTCACCAAGT TATAAGCCCN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003653
<b>Insert Size:</b>	1730 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).
<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_003653.2</a></u> , <u><a href="#">NP_003644.2</a></u>
<b>RefSeq Size:</b>	1652 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	8533
<b>UniProt ID:</b>	<u><a href="#">Q9UNS2</a></u>
<b>Cytogenetics:</b>	17p11.2
<b>Domains:</b>	PCI

**Protein Families:** Stem cell - Pluripotency

**Gene Summary:** The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).