

## Product datasheet for **RG200486**

### COPS3 (NM\_003653) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COPS3 (NM_003653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	COPS3
Synonyms:	CSN3; SGN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200486 representing NM_003653 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCTGCCCTGGAGCAGTTCGTGAACAGTGTCCGACAGCTCTCAGCTCAAGGGCAAATGACACAGC  
TTTGTGAAGTATCAACAAGAGTGGGAACTCCTTGCGAAGAAGTATCCCATCTGGACTGTGCTCGG  
GGCTCTGGATGTACAAGAAGTCTCTGGGCGTCTTGTGTTTTGTTTGAAGTTTTCTATGCCAGT  
GTTCTGACTTCGAAACGCTATTCTCACAGTTCAGCTCTTCATCAGCACTTGAATGGGAGCACATTC  
GATATGCAACAGACACTTTTGTGGCTTTGCCATCAGCTAACAAATGCCTTGTGAAAGAAAACAGCC  
CCTGCGAGGAATTGGCATCCTTAAGCAAGCCATAGACAAGATGCAGATGAATACAAACCAGCTGACCTCA  
ATACATGCTGATCTCTGCCAGCTTTGTTTGTAGCAAAATGCTTTAAGCCTGCCCTTCCATATCTTGACG  
TGGATATGATGGATATCTGTAAGAGAATGGAGCCTATGATGCAAAACACTTTTTATGTTACTATTATTA  
TGGAGGGATGATTTATACTGGGCTGAAGAACTTTGAAAGAGCTCTCTACTTTTATGAACAGGCTATAACT  
ACTCTGCCATGGCGGTCACTCATATCATGTTGGAATCATATAAAAAGTATATTTAGTGTCTTTGATAT  
CAATGCATACCACGAGTTAGCACAAAGTATTCAACCAACAACCCCTCAGAACTCCGAAACCTGGTGAAT  
AAGCAGTGAAACCTTCACTCGCGATAACAACATGGGGCTGGTGAAGCAATGCTTGTCTCTTTTATA  
AGAAGAATATTCAGAGGCTAACAAAGACCTTTTTAACTCTATCATTACAAGATATGGCAAGTCTGTGCA  
GTTGTCTGGACCTCAGGAGGCAGAGAAATACGTTCTGCACATGATAGAAGATGGTGAAGTTTTTGAAGT  
ATTAACGAGAAGGACGGTATGGTCAGTTTCCATGATAACCCTGAAAAATATAATAACCCAGCCATGCTTC  
ATAACATTGATCAGGAGATGCTGAAGTGCATTGAGCTGGATGAGCGGCTGAAAGCCATGGACCAGGAGAT  
CACAGTGAACCCCTCAGTTTGTACAAAAGAGTATGGGCTCACAAAGAAGATGATTCAGGAAACAAACCATCC  
AGTTATTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200486 representing NM\_003653  
Red=Cloning site Green=Tags(s)

MASALEQFVNSVRQLSAQGQMTQLCELINKSGELLAKNLSHLDTVLGALDVQEHSLGVLAVL FVKFSMP  
 VPDFETLFSQVQLFISTCNGEHIRYATDTFAGLCHQLTALVERKQPLRGIGILKQAIKMQMNTNQLTS  
 IHADLCQLCLLAKCFKALPYLDVDMMDICKENGAYDAKHFLCYYYYGGMIYTGKKNFERALYFYEQAIT  
 TPAMAVSHIMLESYKKYILVSLILLGKVVQQLPKYTSQIVGRFIKPLSNAYHELAQVYSTNPNSELRNLVN  
 KHSETFTRDNNMGLVKQCLSSLYKKNIQRLTKTFLTSLQDMASRVQLSGPQEAQVYVLMHIEDGEIFAS  
 INQKQGMVSYFHDNPEKYNNPAMLHNIDQEMLKCIELDERLKAMDQEITVNPQFVQKSMGSEQEDDSGNKPS  
 SYS

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003653

**ORF Size:** 1269 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_003653.2](#), [NP\\_003644.2](#)

**RefSeq Size:** 1652 bp

**RefSeq ORF:** 1272 bp

**Locus ID:** 8533

**UniProt ID:** [Q9UNS2](#)

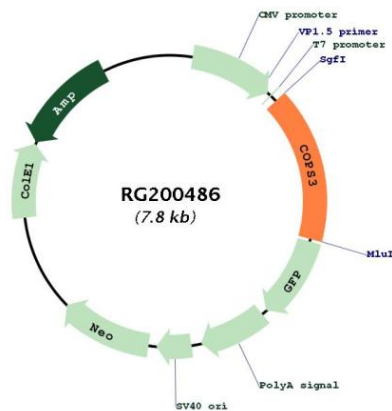
**Cytogenetics:** 17p11.2

**Domains:** 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-Balpa, 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]

### Product images:



Circular map for RG200486