

## Product datasheet for **RC200486**

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

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | COPS3 (NM_003653) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | COPS3                                    |
| Synonyms:                 | CSN3; SGN3                               |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>RC200486 representing NM\_003653  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCTGCCCTGGAGCAGTTCGTGAACAGTGTCCGACAGCTCTCAGCTCAAGGGCAAATGACACAGC  
 TTTGTGAAGTCAACAAGAGTGGGAACTCCTTGCGAAGAAGTATCCCATCTGGACACTGTGCTCGG  
 GGCTCTGGATGTACAAGAACTCCTTGGGCGTCTTGCTGTTTTGTTGTGAAGTTTTCTATGCCAGT  
 GTTCTGACTTCGAAACGCTATTCTCACAGTTCAGCTCTTCATCAGCACTTGAATGGGGAGCACATTC  
 GATATGCAACAGACACTTTTGTGGGCTTTGCCATCAGCTAACAAATGCCTTGTGGAAAGAAAACAGCC  
 CCTGCGAGGAATTGGCATCCTTAAGCAAGCCATAGACAAGATGCAGATGAATACAAACCAGCTGACCTCA  
 ATACATGCTGATCTCTGCCAGCTTTGTTGCTAGCAAAATGCTTAAAGCCTGCCCTTCCATATCTTGACG  
 TGGATATGATGGATATCTGTAAGAGAATGGAGCCTATGATGCAAAACACTTTTTATGTTACTATTATTA  
 TGGAGGGATGATTATACTGGGCTGAAGAACTTTGAAAGAGCTCTCTACTTTTATGAACAGGCTATAACT  
 ACTCTGCCATGGCGGTAGTCATATCATGTTGGAATCATATAAAAAGTATATTTAGTGTCTTTGATAT  
 TACTTGGCAAAGTACAACAGCTACCAAAATATACATCTCAAATTGTGGGTAGATTCATTAAGCCTCTTAG  
 CAATGCATACCACGAGTTAGCACAAAGTGTATCAACCAACAACCCCTCAGAACTCCGAAACCTGGTGAAT  
 AAGCACAGTGAACCTTCACTCGCGATAACAACATGGGGCTGGTGAAGCAATGCTTGTCTCTTTATA  
 AGAAGAATATTCAGAGGCTAACAAAGACCTTTTAACTCTATCATTACAAGATATGGCAAGTCGTGTGCA  
 GTTGTCTGGACCTCAGGAGGCAGAGAAATACGTTCTGCACATGATAGAAGATGGTGAATTTTTGCAAGT  
 ATTAACCAAGAAGGACGGTATGGTCAGTTCCATGATAACCCTGAAAAATATAATAACCCAGCCATGCTTC  
 ATAACATTGATCAGGAGATGCTGAAGTGCATTGAGCTGGATGAGCGGCTGAAAGCCATGGACCAGGAGAT  
 CACAGTGAACCTCAGTTGTACAAAAGAGTATGGGCTCACAAAGAAGATGATTCAGGAAACAAACCATCC  
 AGTTATTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200486 representing NM\_003653  
 Red=Cloning site Green=Tags(s)

MASALEQFVNSVRQLSAQGQMTQLCELINKSGELLAKNLSHLDTVLGALDVQEHS LGVLAVL FVKFSMPS  
 VPDFETLFSQVQLFISTCNGEHIRYATDTFAGLCHQLTNALVERKQPLRGIGILKQAIDKMQMNTNQLTS  
 IHADLCQLCLLAKCFKLPALPYLDVDMMDICKENGAYDAKHFLCYYYGGMIYTGKKNFERALYFYEQAIT  
 TPAMAVSHIMLESYKKYILVSLILLGKVQQLPKYTSQIVGRFIKPLSNAYHELAQVYSTNNPSELRLVN  
 KHSETFTRDNNMGLVKQCLSSLYKKNIQRLTKTFLTLSLQDMASRVQLSGPQEAEKYVLMHIEDGEIFAS  
 INQKDMVVSFHDNPEKYNNPAMLHNIDQEMLKCIELDERLKAMDQEITVNPQFVQKSMGSEQEDDSGNKPS  
 SYS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg2855\\_d06.zip](https://cdn.origene.com/chromatograms/mg2855_d06.zip)

**Restriction Sites:**

Sgfl-Mlul

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.

RefSeq: [NM\\_003653.4](#)

RefSeq Size: 1652 bp

RefSeq ORF: 1272 bp

Locus ID: 8533

UniProt ID: [Q9UNS2](#)

Cytogenetics: 17p11.2

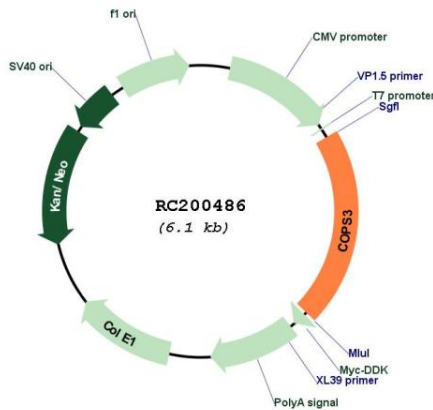
**Domains:** PCI

**Protein Families:** Stem cell - Pluripotency

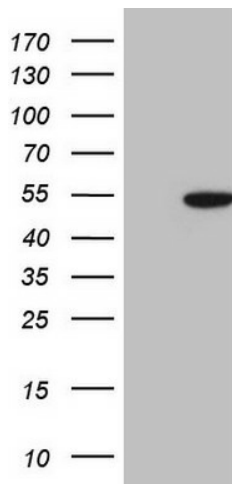
**MW:** 47.7 kDa

**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]

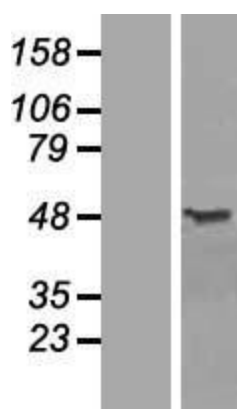
**Product images:**



Circular map for RC200486



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY COPS3 (Cat# RC200486, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-COPS3 (Cat# [TA808963])(1:2000). Positive lysates [LY418520] (100ug) and [LC418520] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY418520]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200486 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).