

Product datasheet for **RG203441**

COPS4 (NM_016129) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS4 (NM_016129) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	COPS4
Synonyms:	CSN4; SGN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203441 representing NM_016129 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGCCGTGCGACAGGATTTGGCCAGCTCATGAATTCGAGCGGCTCTCATAAAGATCTGGCTG
GCAAGTATCGTCAGATCCTGAAAAAGCCATTCAGTTATCTGGAGCAGAACAAGTAAAGCTTTGAAAGC
TTTTGTGGAAGCAATGGTAAATGAGAATGTCAGTCTCGTGATCTCGCGGAGTTGCTGACTGATTTTTGC
ACACATCTTCTAACTTGCTGATAGCACAGCCAAAGAAATCTACCTCACCTTGAAAAAGATCCAGC
CTAGAGTCATTTCACTTGAGGAGCAGTTGCTTCCATAAGACAGCATCTTGCATCTATATAGAGAAAGA
AGAAGATTGGAGAAATGCAGCCCAAGTGTGGTGGGAATTCCTTTGAAAACAGGACAAAAACAGTACAAT
GTAGATTATAAAGTGGAGACTTACTTGAAGATTGCTAGGCTATATCTGGAGGATGATGATCCAGTCCAGG
CAGAGGCTTACATAAATCGAGCATCGTTGCTTCCAGAATGAATCAACCAATGAACAATTACAGATACATTA
TAAGGTATGCTATGCACGTGTTCTTGATTATAGAAGAAAATTCATTGAAGCTGCACAAAGGTACAATGAG
CTCTCTTACAAGACAATAGTCCACGAAAGTAAAGACTAGAGGCCTTAAACATGCTTTGCACTGTACGA
TCTTAGCATCAGCAGGGCAGCAGCGTTCTCGGATGCTAGTACTCTTTTTAAGGATGAAAGGTGCCAGCA
ACTTGTGCCTATGGGATCCTAGAGAAAATGTATCTAGATAGGATCATCAGAGGAAATCACTTCAAGAA
TTTGTGCCATGCTGATGCCTCACAAAAAGCAACTACAGCTGATGGTTCCAGCATCTTGGACAGAGCTG
TTATTGAACACAATTTGTTGCTGCAAGCAAATTAATAAATAATTACCTTCGAAGAAGTGGAGCTCT
TTTAGAGATCCCTGCAGCTAAGGCGGAAAAAGATAGCATCTCAAATGATAACCGAAGGACGTATGAATGGA
TTTATTGACCAGATTGATGGAATAGTTCAATTTGAAACACGAGAAGCCCTGCCAACGTGGGATAAGCAGA
TCCAATCACTTTGTTTCCAAGTGAATAACCTTTTGGAGAAAATAGTCAAACAGCACCAGAATGGACAGC
ACAAGCCATGGAAGCCAGATGGCTCAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203441 representing NM_016129
Red=Cloning site Green=Tags(s)

MAAAVRQDLAQLMNSSGSHKDLAGKYRQILEKAIQLSGAEQLEALKAFVEAMVNVSLVISRQLLTDFC
 THLPNLPDSTAKEIYHFTLEKIQPRVISFEEQVASIRQHLASIYEKEEDWRNAAQVLVGIPLTGQKQYN
 VDYKLETYLKIARLYLEDDDPVQAEAYINRASLLQNESTNEQLQIHYKVCYARVLDYRRKFIEAAQRYNE
 LSYKTIHVHESERLEALKHALHCTILASAGQQRSRMLATLFKDERCQQLAAYGILEKMYLDRIIRGNLQLE
 FAAMLMPHQKATTADGSSILDRAVIEHNLLSASKLYNNITFEELGALLEIPAAKAEKIASQMITEGRMNG
 FIDQIDGIVHVFETREALPTWDKQIQSLCFQVNNLLEKISQTAPEWTAQAMEAQMAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016129

ORF Size: 1218 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_016129.3](#)

RefSeq Size: 1765 bp

RefSeq ORF: 1221 bp

Locus ID: 51138

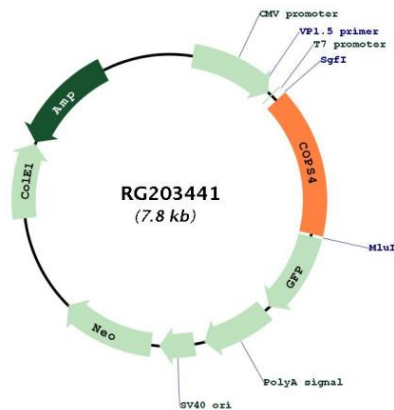
UniProt ID: [Q9BT78](#)

Cytogenetics: 4q21.22

Domains: PCI

Gene Summary: This gene encodes one of eight subunits composing 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RG203441