

Product datasheet for RC203965

COPS7A (NM_016319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS7A (NM_016319) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COPS7A
Synonyms:	CSN7; CSN7A; SGN7a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203965 representing NM_016319 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGCAGGAGTGAAGGTGACAGGGCAGAACCCAGGAGCAATTTCTGCTCCTAGCCAAGTCGGCCAAGG
GGGCAGCGCTGGCCACACTCATCCATCAGGTGCTGGAGGCCCTGGTGTCTACGTGTTGGAGAAGTGTCT
GGACATGCCCAATGTTAGAGAGCTGGCTGAGAGTGACTTTGCCTCTACCTCCGGCTGCTCACAGTGTCT
GCTTATGGGACATACGCTGACTACTTAGCTGAAGCCCGGAATCTTCTCCACTAACAGAGGCTCAGAAGA
ATAAGCTTCGACACCTCTCAGTTGTACCCCTGGCTGCTAAAGTAAAGTGATCCCATATGCAGTGTGTCT
GGAGGCTCTTGCCCTGCGTAATGTGCGGCAGCTGGAAGACCTTGTGATTGAGGCTGTGTATGCTGACGTG
CTTCGTGGCTCCCTGGACCAGCGCAACCAGCGGCTCGAGGTTGACTACAGCATCGGGCGGGACATCCAGC
GCCAGGACCTCAGTGCCATTGCCCGAACCTGCAGGAATGGTGTGTGGGCTGTGAGGTCTGTCTGTCTCAGG
CATTGAGGAGCAGGTGAGCCGTGCCAACCAACAAGGAGCAGCAGCTGGGCCTGAAGCAGCAGATTGAG
AGTGAGGTTGCCAACCTTAAAAAACATTAAAGTTACGACGGCAGCAGCAGCCGAGCCACATCTCAGG
ACCCTGAGCAACACCTGACTGAGCTGAGGGAACCAAGCTCCTGGCACCAACCAGCGCCAGCCAGCAAGAA
AGCCTCAAAGGGCAAGGGGCTCCGAGGGAGCGCCAAGATTTGGTCCAAGTCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203965 representing NM_016319
 Red=Cloning site Green=Tags(s)

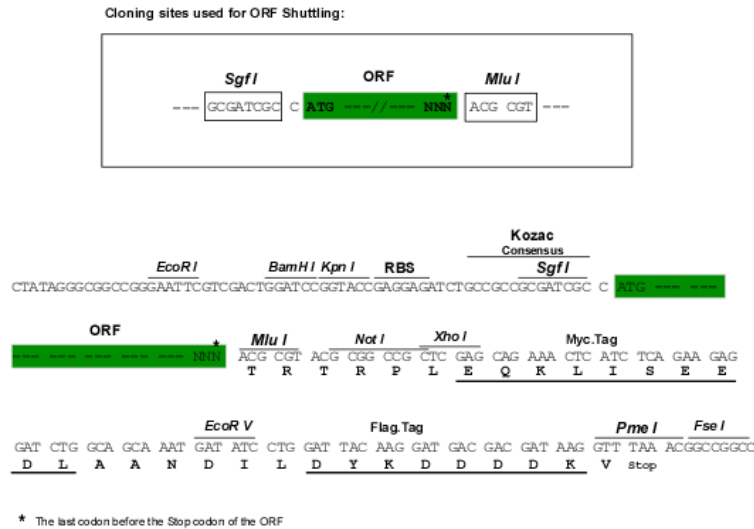
MSAEVKVTGQNQEQLLLAKSAKGAALATLIHQVLEAPGVYVFGELLDPNVRELAESDFASTFRLLTVF
 AYGTYADYLAEARNLPLTEAQKNKLRHLSVVTLAAKVKCIPYAVLLEALALRNVRQLEDLVIEAVYADV
 LRGLDQRNQRLEVDYSIGRDIQRQDL SAIARTLQEWCVGCEVVL SGIEEQVSRANQHKEQQLGLKQQIE
 SEVANLKKTIKVTTAAAAAATSQDPEQHL TELREPAPGTNRQPSKKASKGKGLRGS AKIWSKSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1481_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016319

ORF Size: 825 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_016319.4

RefSeq Size: 1868 bp

RefSeq ORF: 828 bp

Locus ID: 50813

UniProt ID: Q9UBW8

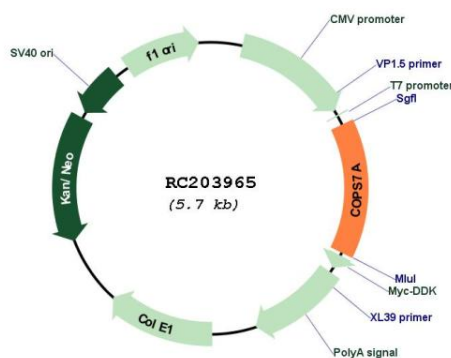
Cytogenetics: 12p13.31

Domains: PCI

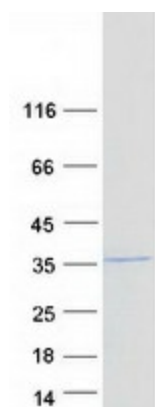
MW: 30.1 kDa

Gene Summary: This gene encodes a component of the COP9 signalosome, an evolutionarily conserved multi-subunit protease that regulates the activity of the ubiquitin conjugation pathway. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC203965



Coomassie blue staining of purified COPS7A protein (Cat# [TP303965]). The protein was produced from HEK293T cells transfected with COPS7A cDNA clone (Cat# RC203965) using MegaTran 2.0 (Cat# [TT210002]).