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Product datasheet for RC228793

COPS7A (NM_001164093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS7A (NM_001164093) 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:

>RC228793 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGCGGAAGTGAAGGTGACAGGGCAGAACCAGGAGCAATTTCTGCTCCTAGCCAAGTCGGCCAAGG
GGGCAGCGCTGGCCACACTCATCCATCAGGTGCTGGAGGCCCCTGGTGTCTACGTGTTTGGAGAACTGCT
GGACATGCCCAATGTTAGAGAGCTGGCTGAGAGTGACTTTGCCTCTACCTTCCGGCTGCTCACAGTGTTT
GCTTATGGGACATACGCTGACTACTTAGCTGAAGCCCGGAATCTTCCTCCACTAACAGAGGCTCAGAAGA
ATAAGCTTCGACACCTCTCAGTTGTCACCCTGGCTGCTAAAGTAAAGTGTATCCCATATGCAGTGTTGCT
GGAGGCTCTTGCCCTGCGTAATGTGCGGCAGCTGGAAGACCTTGTGATTGAGGCTGTGTATGCTGACGTG
CTTCGTGGCTCCCTGGACCAGCGCAACCAGCGGCTCGAGGTTGACTACAGCATCGGGCGGGACATCCAGC
GCCAGGACCTCAGTGCCATTGCCCGAACCCTGCAGGAATGGTGTGTGGGCTGTGAGGTCGTGCTGTCAGG
CATTGAGGAGCAGGTGAGCCGTGCCAACCAACACAAGGAGCAGCAGCTGGGCCTGAAGCAGCAGATTGAG
AGTGAGGTTGCCAACCTTAAAAAAACCATTAAAGTTACGACGGCAGCAGCAGCCGCAGCCACATCTCAGG
ACCCTGAGCAACACCTGACTGAGCTGAGGGAACCAGCTCCTGGCACCAACCAGCGCCAGCCCAGCAAGAA
AGCCTCAAAGGGCAAGGGGCTCCGAGGGAGCGCCAAGATTTGGTCCAAGTCGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC228793 protein sequence
Red=Cloning site Green=Tags(s)

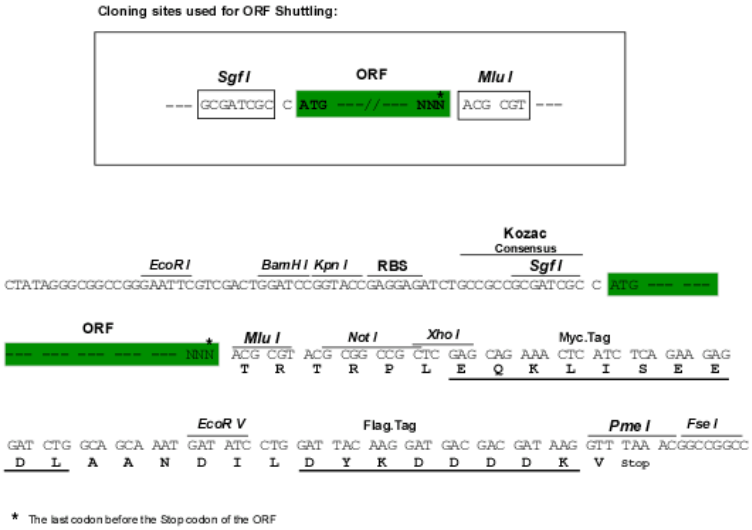
MSAEVKVTGQNQEQFLLLAKSAKGAALATLIHQVLEAPGVYVFGELLDMPNVRELAESDFASTFRLLTVF
AYGTYADYLAEARNLPPLTEAQKNKLRHLSVVTLAAKVKCIPYAVLLEALALRNVRQLEDLVIEAVYADV
LRGSLDQRNQRLEVDYSIGRDIQRQDLSAIARTLQEWCVGCEVVLSGIEEQVSRANQHKEQQLGLKQQIE
SEVANLKKTIKVTTAAAAAATSQDPEQHLTELREPAPGTNQRQPSKKASKGKGLRGSAKIWSKSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164093

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.

RefSeq: NM_001164093.2

RefSeq Size: 2054 bp

RefSeq ORF: 828 bp

Locus ID: 50813

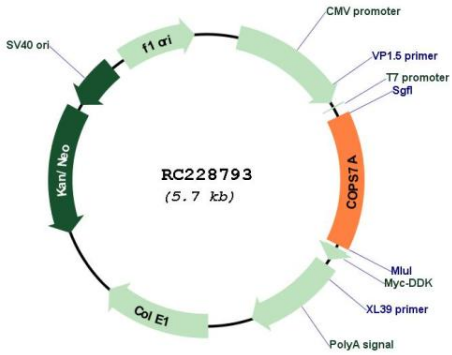
UniProt ID: Q9UBW8

Cytogenetics: 12p13.31

MW: 30.3 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 RC228793