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Product datasheet for RC200252

COPS6 (NM_006833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPS6 (NM_006833) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	COPS6
Synonyms:	CSN6; MOV34-34KD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200252 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGGCGGCGGCGGCGGCTGCAGCTACGAACGGGACCGGAGGAAGCAGCGGGATGGAGGTGGATG
CAGCAGTAGTCCCCAGCGTGATGGCCTGCGGAGTGACTGGGAGTGTTTCCGTCGCTCTCCATCCCCTTGT
CATTCTCAACATCTCAGACCACTGGATCCGCATGCGCTCCCAGGAGGGGCGGCCTGTGCAGGTGATTGGG
GCTCTGATTGGCAAGCAGGAGGGCCGAAATATCGAGGTGATGAACTCCTTTGAGCTGCTGTCCCACACCG
TGGAAGAGAAGATTATCATTGACAAGGAATATTATTACACCAAGGAGGAGCAGTTTAAACAGGTGTTCAA
GGAGCTGGAGTTTCTGGGTTGGTATACCACAGGGGGGCCACCTGACCCCTCGGACATCCACGTCCATAAG
CAGGTGTGTGAGATCATCGAGAGCCCCCTCTTTCTGAAGTTGAACCCTATGACCAAGCACACAGATCTTC
CTGTCAGCGTTTTTGAGTCTGTCATTGATATAATCAATGGAGAGGCCACAATGCTGTTTGCTGAGCTGAC
CTACACTCTGGCCACAGAGGAAGCGGAACGCATTGGTGTAGACCACGTAGCCCGAATGACAGCAACAGGC
AGTGGAGAGAACTCCACTGTGGCTGAACACCTGATAGCACAGCACAGCGCCATCAAGATGCTGCACAGCC
GCGTCAAGCTCATCTTGGAGTACGTCAAGGCCTCTGAAGCGGGAGAGGTCCCCTTTAATCATGAGATCCT
GCGGGAGGCCTATGCTCTGTGTCACTGTCTCCCGGTGCTCAGCACAGACAAGTTCAAGACAGATTTTTAT
GATCAATGCAACGACGTGGGGCTCATGGCCTACCTCGGCACCATCACCAAAACGTGCAACACCATGAACC
AGTTTGTGAACAAGTTCAATGTCCTCTACGACCGACAAGGCATCGGCAGGAGAATGCGCGGGCTCTTTTT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC200252 protein sequence
Red=Cloning site Green=Tags(s)

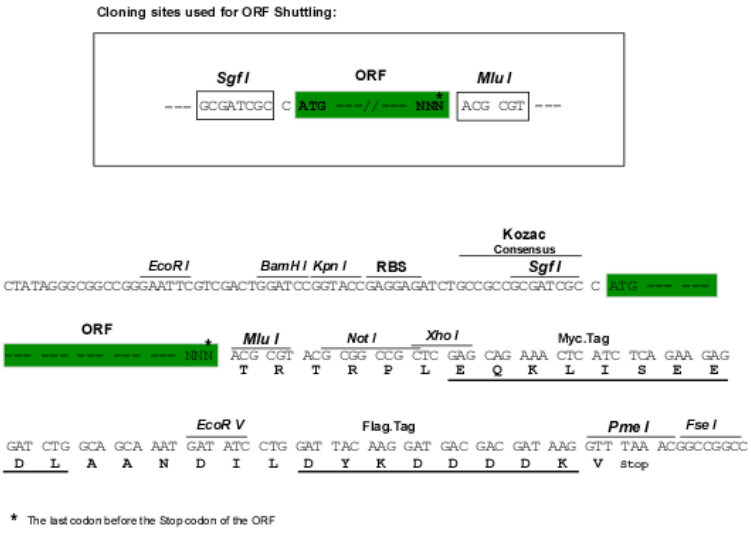
MAAAAAAAAATNGTGGSSGMEVDAAVVPSVMACGVTGSVSVALHPLVILNISDHWIRMRSQEGRPVQVIG
ALIGKQEGRNIEVMNSFELLSHTVEEKIIIDKEYYYTKEEQFKQVFKELEFLGWYTTGGPPDPSDIHVHK
QVCEIIESPLFLKLNPMTKHTDLPVSVFESVIDIINGEATMLFAELTYTLATEEAERIGVDHVARMTATG
SGENSTVAEHLIAQHSAIKMLHSRVKLILEYVKASEAGEVPFNHEILREAYALCHCLPVLSTDKFKTDFY
DQCNDVGLMAYLGTITKTCNTMNQFVNKFNVLYDRQGIGRRMRGLFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6386_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006833

ORF Size: 981 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).

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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_006833.5
RefSeq Size:	1441 bp
RefSeq ORF:	984 bp
Locus ID:	10980
UniProt ID:	Q7L5N1
Cytogenetics:	7q22.1
Domains:	JAB_MPN
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	36.2 kDa
Gene Summary:	The protein encoded by this gene is one of the eight subunits of 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. This protein belongs to translation initiation factor 3 (eIF3) superfamily. It is involved in the regulation of cell cycle and likely to be a cellular cofactor for HIV-1 accessory gene product Vpr. [provided by RefSeq, Jul 2008]

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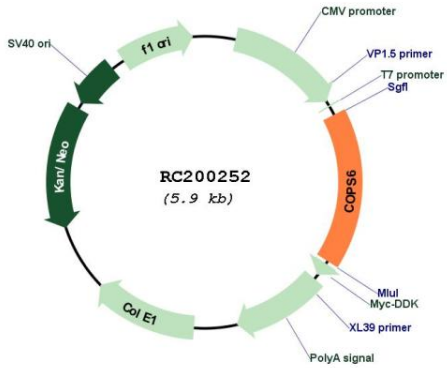
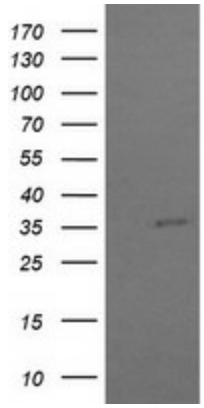
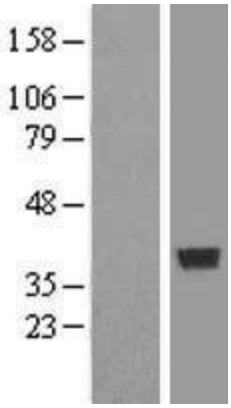
Product images:



Circular map for RC200252



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY COPS6 (Cat# RC200252, 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-COPS6(Cat# [TA505897]). Positive lysates [LY416378] (100ug) and [LC416378] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416378]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200252 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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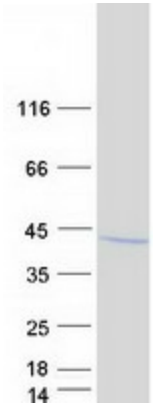

Coomassie blue staining of purified COPS6 protein (Cat# [TP300252]). The protein was produced from HEK293T cells transfected with COPS6 cDNA clone (Cat# RC200252) using MegaTran 2.0 (Cat# [TT210002]).

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