

Product datasheet for **RG207324**

COPS8 (NM_006710) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COPS8 (NM_006710) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: COPS8
Synonyms: COP9; CSN8; SGN8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207324 representing NM_006710
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGTGGCGGTGATGGCGGAAAGCGCCTTTAGTTTCAAAAAGTTGCTGGATCAGTGCAGAACCCAGG
 AGCTCGAGGCCCTGGAGGAATTGCTACACCCCAAGTGTATGGTCAGCTTCTAGCTTTATATTTGCTCCA
 TAATGACATGAATAATGCAAGATATCTTTGGAAAAGAATACCACCTGCTATAAAATCTGCAAATCTGAA
 CTTGGGGGAATTTGGTCAGTAGGACAAAAGAATCTGGCAGAGAGATTTCCCTGGGATCTATAACAACATCA
 ACGCTCACCAGTGGTCTGAGACGGTCCAGCCAATTATGGAAGCACTTAGAGATGCAACAAGGAGACGCGC
 CTTTGCCCTGGTCTCTCAAGCGTATACTTCAATCATCGCCGATGATTTTGCAGCCTTTGTTGGACTTCT
 GTAGAAGAGGCTGTGAAAGGCATATTAGAACAAGGATGGCAAGCTGATTCCACCACAAGAATGGTTCTGC
 CCAGAAAGCCAGTTGCAGGGGCCCTGGATGTTTCCCTTAAACAAGTTTATCCCTTATCAGAGCCTGCTCC
 AGTTCCCCCAATACCCAATGAACAGCAGTTAGCCAGACTGACGGATTATGTGGCTTTCCTTGAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207324 representing NM_006710
 Red=Cloning site Green=Tags(s)

MPVAVMAESAFSFKLLDQCENQELEAPGGIATPPVYQLLALYLLHNDMNNARYLWKRIIPPAIKSANSE
 LGGIWSVGQRIWQRDFPGIYTTINAHQWSETVQPIMEALRDATRRRAFALVSQAYTSIIADDFAAFVGLP
 VEEAVKGILEQGWQADSTTRMVLPRKPVAGALDVSFNKFIPLSEPAPVPPIPNEQQLARLTDYVAFLEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_006710

ORF Size: 627 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_006710.5](#)

RefSeq Size: 2274 bp

RefSeq ORF: 630 bp

Locus ID: 10920

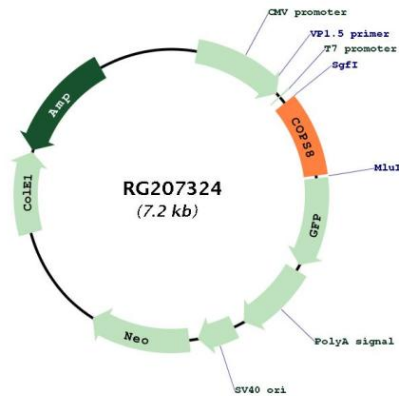
UniProt ID: [Q99627](#)

Cytogenetics: 2q37.3

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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207324