

Product datasheet for **RG231212**

COPS3 (NM_001199125) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: COPS3 (NM_001199125) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: COPS3
Synonyms: CSN3; SGN3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231212 representing NM_001199125
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACACAGCTTTGTGAACTGATCAACAAGAGTGGGAACTCCTTGCGAAGAAGCTTATCCCATCTGGACA
 CTGTGCTCGGGCTCTGGATGTACAAGAAGACTCCTTGGGCGTCCTTGCTGTTTTGTTGTGAAGTTTTTC
 TATGCCAGTGTTCCTGACTTCGAAACGCTATTCTCACAGTTTCAGCTTTCATCAGCACTTGTAAATGGG
 GAGCACATTGCATATGCAACAGACACTTTTGTGGCTTTGCCATCAGCTAACAAATGCACTTGTGGAAA
 GAAAACAGCCCTGCGAGGAATTGGCATCCTTAAGCAAGCCATAGACAAGATGCAGATGAATACAAACCA
 GCTGACCTCAATACATGCTGATCTCTGCCAGCTTTGTTTGTAGCAAAATGCTTTAAGCCTGCCCTCCA
 TATCTTGACGTGGATATGATGGATATCTGTAAGAGAATGGAGCCTATGATGCAAAACACTTTTTATGTT
 ACTATTATTATGGAGGGATGATCTATACTGGGCTGAAGAAGCTTTGAAAGAGCTCTCTACTTTTATGAACA
 GGCTATAACTACTCCTGCCATGGCGGTCAGTCATATCATGTTGGAATCATATAAAAAGTATATTTTAGTG
 TCTTTGATATTACTTGGCAAAGTACAACAGCTACCAAAATACATCTCAAATTTGGGTAGATTCATTA
 AGCCTCTAGCAATGCATACCACGAGTTAGCACAAGTGTATTCAACCAACAACCCCTCAGAACTCCGAAA
 CCTGGTGAATAAGCACAGTGAACCTTCACTCGGATAACAACATGGGGCTGGTGAAGCAATGCTTGTCA
 TCTCTTTATAAGAAGAATATTCAGAGGCTAACAAAGACCTTTTTAACTCTATCATTACAAGATATGGCAA
 GTCGTGTGAGTTGTCTGGACCTCAGGAGGCAGAGAAAATACGTTCTGCACATGATAGAAGATGGTGAGAT
 TTTTGCAAGTATTAACCGAAGGACGGTATGGTCAAGTTCCATGATAACCTGAAAAATATAATAACCCA
 GCCATGCTTCATAACATTGATCAGGAGATGCTGAAGTGCATTGAGCTGGATGAGCGGCTGAAAGCCATGG
 ACCAGGAGATCACAGTGAACCCCTCAGTTTGTACAAAAGATATGGGCTCACAGAAGATGATTCAGGAAA
 CAAACCATCCAGTTATTCT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231212 representing NM_001199125
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MTQLCELINKSGELLAKNLSHLDTVLGALDVQEHS LGVLAVLFVKFSMPSPDFETLFSQVQLFISTCNG
 EHIRYATDTFAGLCHQLTNALVERKQPLRGIGILKQAIDKMQMNTNQLTSIHADLCQLLLAKCFKPALP
 YLDVDMMDICKENGAYDAKHFLCYYYYGGMIYTGLKNFERALYFEQAITTPAMAVSHIMLESYKKYILV
 SLILLGKVVQQLPKYTSQIVGRFIKPLSNAYHEL AQVYSTNNPSELRNLVNKHSETFTRDNNMGLVKQCLS
 SLYKKNIQRLTKTFLTLQLDMSRVQLSGPQEAKEYVLHMIEDGEIFASINQKDMVSFHDNPEKYNNP
 AMLHNIDQEMLKCIELDERLKAMDQEITVNPQFVQKSMGSQEDDSGNKPPSSYS

TRTRPLE - GFP Tag - V

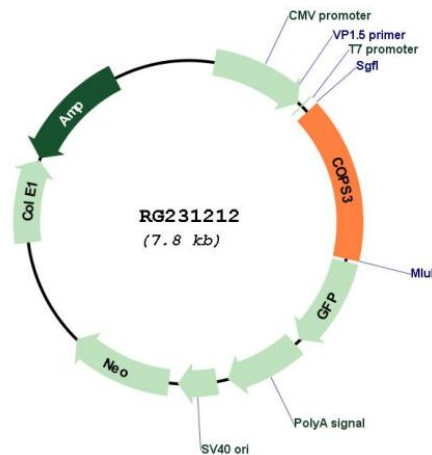
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001199125

ORF Size:	1209 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:	<ol style="list-style-type: none">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_001199125.1 , NP_001186054.1
RefSeq Size:	1818 bp
RefSeq ORF:	1212 bp
Locus ID:	8533
UniProt ID:	Q9UNS2
Cytogenetics:	17p11.2
Protein Families:	Stem cell - Pluripotency
Gene Summary:	The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]