

Product datasheet for **MG214557**

Cops9 (NM_001163425) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Cops9
Synonyms: I110002M09Rik; Myeov2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214557 representing NM_001163425
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCCGACGTGGATGAGATGTTCCCGAGGGCGCGGGCCCTATGTGGACCTGGATGAGGCTGGAG
GTAGCACCGGGCTTTTGTATGGACCTGGCAGCCAATGAGAAGGCCGTTTCATGCAGACTTTTTTAATGATTT
TGAAGACCTTTTGTATGATGATGTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214557 representing NM_001163425
Red=Cloning site Green=Tags(s)

MKPAVDEMFPPEGAGPYVDLDEAGGSTGLLMDLAANEKAVHADFFNDFEDLFDDDDVQ

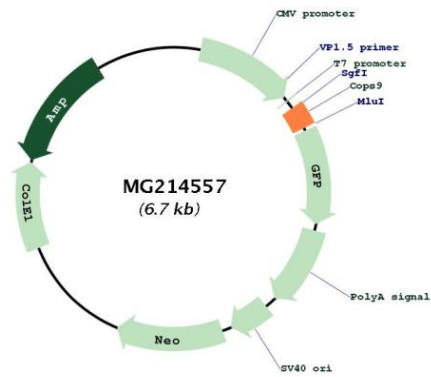
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001163425.1, NP_001156897.1</u>
RefSeq Size:	458 bp
RefSeq ORF:	174 bp
Locus ID:	66915
UniProt ID:	<u>Q3U898</u>
Cytogenetics:	1 D
Gene Summary:	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Plays a role in cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214557