

Product datasheet for **RG203670**

C14orf80 (NM_173608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf80 (NM_173608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C14orf80
Synonyms:	chromosome 14 open reading frame 80; MGC16771
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203670 representing NM_173608 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCAGGCCGAGTGCCTCTGGGTGACGAGATGACTGTGTGCCAGATCCACCTGTACACACGGG
GCTGCCACAGCGACCAGAGCCTTAGCCATCTGTCTGCTCACTGAAGCAGAGATGCTCAGGGACCCAGAGGG
AGGCCAGCAGCTGCTGCGGACTCTGGAGCGTGAGAACCAGCGCCTGGAGGCTGCTCCTGGCGTGGCGGCGC
TCTGAGCTGGTCTTCTGGCGGTGGATGGACACGGTCTGGGCACCTGTGCCCGGAGGTGCCTGCTGCAG
CCTCACAGCCACCTTCTGCCCTGGGTCCCCGAGCGCGGGGTGGCGAGTTGGACCTGGTGTAGTGCGGGA
GCTGCAGGCACTGGAGGAGGAGCTGCGGGAGGCTGCGGAGCGCAGGCGGGCGGCCCTGGGAGGCCAAGGCT
GGAGGCTGTGGACGGGGCCAGAGTGGAGTGCCGCGCGGGGGCCTCTCGGGAGGCTGTGAAAAAGGAGC
TGGGAGCTCTACAGCAGTGTGGGAGCGAGACGGTGGCCCGCCAGCCCATGGGCCACACCGGCTGGT
GAGACGAGAGGATGGGGCAGCAGGGGACCGGGACCTGCGGGCAGCTGTGGTGATCAGGACGCTGAGGAGC
CAGGAGGCTGCCTGGAGGCGGTGCTACGTCGACTACAGGGACAGTGTCCGCGAGAACTGGCCAGGCTGG
TGGGAGCCCGCCTGGTCTCATCTGGATCCCGCCACCTGGACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203670 representing NM_173608
 Red=Cloning site Green=Tags(s)

MLAQARVPLGDEMTVCQIHL YTRGCHSDQSL SHLSVTEAEMLRDPEGGQQLRLTLERENQRLEAVLAWRR
 SELVFWRWMDTVLGTCAPEVPAASQPTFLPWVPERGGGELDLVVRELQALEEELREAAERRRAWEAKA
 GGCGRGPESAAARRASREAVEKELGALQQCWERDGGPAQPHGPHRLVRREDGAAGDRDLRAAVVIRTLS
 QEACLEAVLRRLQGQCRQELARLVGARPGLIWI PPPGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173608

ORF Size: 744 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_173608.1](#), [NP_775879.1](#)

RefSeq Size: 1419 bp

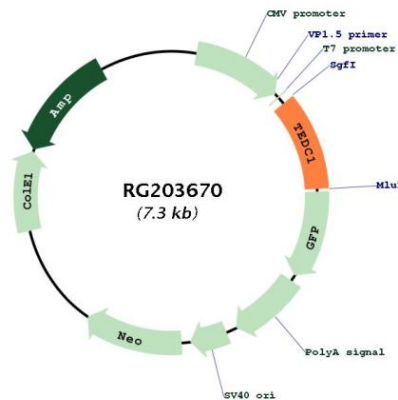
RefSeq ORF: 1124 bp

Locus ID: 283643

Cytogenetics: 14q32.33

Gene Summary: May play a role in counteracting perturbation of actin filaments, such as after treatment with the actin depolymerizing microbial metabolite Chivosazole F.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203670