

## Product datasheet for **RG204259**

### **C3orf54 (FAM212A) (NM\_203370) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C3orf54 (FAM212A) (NM\_203370) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C3orf54  
**Synonyms:** C3orf54; FAM212A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204259 representing NM\_203370  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACAGCGCTCGGCTTGACAGCTTCCTTAGCCAGCTCCGCTGGGAAGTGTGTGGTGGGACACAG  
GCTCACCTCAATGCCTGGTCCCCTGCAGCCAACCTCCAAACTGGCCAGATGTGCAGCCAGCCACCA  
GCTTAGGGCTCGGGTGCCTTGAAGAGGACTCAGTCTGCTGTGTGGAGGAGGAGGAAGAGGAGGAGGAG  
GAAGCAGTGGTGACAGAAGACAGGGATGCAGCCTTGGGAGGCCAGGGAGCATGCCCTGGACTGGGACT  
CTGGCTTCTCGGAGGTGTCAGGCAGCACATGGCGAGAGGAAGAACTGCCTGTATCCAGCGCCAGCACC  
CTCAGCACAGCCCTTCGTAGGCAGTGCCTCTCAGTCACTGGCCCTCCCATGCCAGCAGGGCCCTGTA  
GCCAGTGTACCACCTGTCCACCATCCACGGCCCAAGTCCACCCAGAGCCTGCCTGGAGCACTGGCAGG  
GACTGGAAGCAGAGGACTGGACAGCAGCCCTACTGAACAGGGGTGCGAGTCGCCAGCCCTGGTACTAGG  
GGACAATTGCTTTGCTGACTTGGTGCACAAGTGGATGGAGCTGCCTGAGACAGGGAGTGAAGGGGTGAC  
GGAGGTGGGCACCGTGCCTGCTCGGCCCTCAGTTCCTGCTTGGCTCTCTGAGCAGCTTCGGCGCC  
GGCTGGCCAGGGCTCGGCGGACAGCTATGGCAGGAAAGCGGTGTATGCCACCTCGCCAGAACCTGA  
ACTGCCTGCGGATGTCTCAGCTTTGCAGCTCTCATGAGCTGTCTGATGCCGCCAGCCATCATCTGCAAT  
GATGTCAGCTACCTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204259 representing NM\_203370  
Red=Cloning site Green=Tags(s)

MHSARLDSFLSQLRWELLCGRDTGSPSMPGPLQPTSQTGPDVQPSHQLRASGALEEDSVCCVEEEEEEE  
 EAVVTEDRDAALGGPREHALDWDSGFSEVSGSTWREEELPVSQRPAPSAQPLRRQCLSVSGLPMPSRAPV  
 ASVPPVHHPRPKSTPDACLEHWQGLEAEDWTAALLNRGRSRQPLVLGDNCFADLVHNWMLPETGSEGGD  
 GGGHRARARPPQFLGLSEQLRRRLARARRTAMAGKRLSCPPRPEPELPADVSRFAALMSCRSRQPIICN  
 DVSYL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_203370

**ORF Size:** 855 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\\_203370.2](#)

**RefSeq Size:** 1058 bp

**RefSeq ORF:** 858 bp

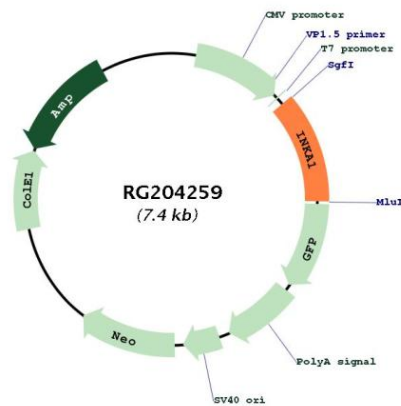
**Locus ID:** 389119

**UniProt ID:** [Q96EL1](#)

**Cytogenetics:** 3p21.31

**Gene Summary:** Inhibitor of the serine/threonine-protein kinase PAK4 (PubMed:26607847). Acts by binding PAK4 in a substrate-like manner, inhibiting the protein kinase activity (PubMed:26607847). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG204259