

## Product datasheet for **RG207994**

### ACTL9 (NM\_178525) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACTL9 (NM\_178525) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ACTL9  
**Synonyms:** HSD21  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207994 representing NM\_178525  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGCAAGTCGCCCCAAGTCTCGGAATCCCAGTCTCCCTGGAGGCCCCAGGCCCGCCAAACC  
 CCAGTCCCAACGTGGTGAACAAGCCCCTGCAGCGGGACTCCCCGGCATGGTGGCCGACAGGCTGCCACC  
 AAAGACCGGCGCGGTGGTTATTGACATGGGCACAGGCACCTGTAAGGTAGGTTTTGCTGGCAGGCCAGC  
 CCCACCTACACCGTGGCCACCATCCTGGGCTGCCAGCCAAAGAAACCCGCCACCTCGGGCAGTCCGGGC  
 TGCAGACGTTTCATCGGCGAGGCAGCCCGGTGCTCCCAGAGCTGACGCTGGTGAACCCCTGCCAGCGG  
 CATCGTCGTGGACTGGGATGCCGCGAGCTCATCTGGCGCACCTGCTGGAGCAGCAGCTCCGAGTGGCC  
 ACCCACGACCACCCGCTGCTGTTCTCCGACCCACCTTCAGCCCGGCCACCAACCGCAGAGAAGCTAGTGG  
 AGGTGGCCTTCGAGTCGCTGCGCTCCCCAGCCATGTACGTGGCATCGCAGTCGGTGTCTGTCTACGC  
 CCACGGTCGTGTGAGCGGGCTGGTGGTGGACACGGGACACGGGTCACCTACACAGTGCCCGTCTTCCAG  
 GGCTACAACTGCTCCACGCCACGGAGCGTCTGGACCTGGCGGGCAACAACCTGACCGCCTTCTGGCGG  
 AGATGCTGCTCCAGCGCGCCTGCCCTGGGACAGCAGGACCTGGACCTAGTGGAGAACAATTAAGCACCA  
 CTATTGCTACGTGGCCTCCGACTTCCAGAAGGAGCAGGCCCGGGCAGGAGTACAAGCGGACTCTG  
 AAGTGGCCGATGGGCGCACGGTACCCTGGCAAGGAGCTGTTCCAGTGTCCGGAGCTGCTGTTCAACC  
 CCCAGAGGTCCCGGGGCTGTACCCGTCGGCCTCTCCACCATGGCCAAGCAGAGTCTCCGAAGTTGTC  
 ACTGGAGATGCGCGGGACTTGGCCAAAACGTGCTTCTCTGCGGTGGTCCCTCGCTCTTACCCGCTTC  
 GAGGGTCGCTTCCGGGCAGAGCTGCTGCGCGCTCTGCCAGCCGAGACCCAGTGGTGGTGGCTGCCAGC  
 CCACCAGGAATTTCTCCGTATGGATCGGGGCTCCATCTGGCCTCCCTGCGCGCCTTCCAGTCTGCTG  
 GGTCTGCGGGAGCAGTACGAGGAACAGGGTCCCTATATCGTGTACCGCAAATGTACT

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207994 representing NM\_178525  
 Red=Cloning site Green=Tags(s)

MDASRPKSSSEQSSLEAPRPGPNPSPNVVNKPLQRDSPGMVADRLPPKTGAVVIDMGTGTCKVGFAGQAS  
 PTYTVATILGCQPKPATSGQSLQTFIGEAARVLPETLVQPLRSGIVVDWDAELIWRHLLHDLRVA  
 THDHPLLFSDPPFSPATNREKLVEVAFESLRSPAMYVASQSVLSVYAHGRVSGLVVDTGHGVTYTVPVFQ  
 GYNLLHATERLDLAGNNLTAFLAEMLLQAGLPLGQQDLDLVENIKHHYCVVASDFQKEQARPEQEYKRTL  
 KLPDGRVTYLGKELFQCEPELLFNPPPEVPLSPVGLSTMAKQSLRKL SLEMRADLAQNVL LCGSSSLFTGF  
 EGRFRAELLRALPAETHVVVAAQPTRNFSVWIGGSILASLRAFQSCWVLRQYEEQGPYIYVRKCY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178525

**ORF Size:** 1248 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\\_178525.5](#)

**RefSeq Size:** 1435 bp

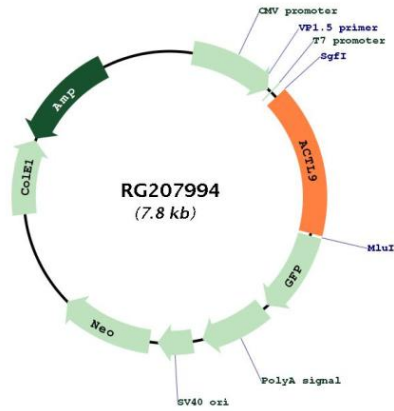
**RefSeq ORF:** 1251 bp

**Locus ID:** 284382

**UniProt ID:** [Q8TC94](#)

**Cytogenetics:** 19p13.2

**Product images:**



Circular map for RG207994