

Product datasheet for **RG202110**

ACTR10 (NM_018477) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACTR10 (NM_018477) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ACTR10
Synonyms: ACTR11; Arp10; Arp11; HARP11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202110 representing NM_018477
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGCTCTACGAGGGCTGGGGAGCGGGGAGAAGACGGCGGTCTGATCGACCTGGGAGAGGCCCT
 TTACCAAGTGTGGATTTGCTGGAGAACTGGTCCAAGATGTATAATTCCTAGTGTGATAAAAAGAGCTGG
 GATGCCTAAGCCTGTCAGAGTTGTTTCAGTATAATCAATACAGAAGAATTATATTCCTACCTAAAGGAA
 TTCATCCACATACTATATTTTCAGGCATCTATTGGTGAATCCAGAGACCGCCGAGTTGTGATTATCGAAT
 CGGTATTATGTCCTTCTCACTTCAGAGAGACACTCACTCGTGTCTTTTCAAATATTTTGGAGTTCCATC
 TGTCTTGCTTGCCTCAAGTCATCTAATGGCTCTTCTGACGCTTGAATTAATTCTGCCATGGTCTAGAT
 TGTGGATATAGGGAAAGCCTGGTGTACCCATATATGAAGGAATCCAGTTCTAAATTTGTTGGGGAGCAC
 TACCCCTAGGAGGAAAAGCTCTTCACAAAGAGTTGAAACTCAACTATTGGAACAATGTAAGTGTGACAC
 AAGTGTGCTAAAGAACAGAGCCTCCCTCAGTGATGGGTTTCAGTCCGGAAGGTGCTTAGAGGACATT
 AAAGCGCGTACTTGCTTTGTAAGTATCTGAAGCGAGGACTAAAAATCCAAGCAGCAAAATTTAATTTG
 ATGGGAATAATGAGCGTCCCTCCCACCCCAATGTTGACTATCCATTAGATGGAGAGAAGATTTTACA
 TATCCTTGGATCAATCAGAGATTCAGTTGTGAAATTTCTTTTGAACAAGATAATGAAGAGCAATCAGTT
 GCCACTTTAATATTGGATTCCCTTATACAGTGTCCGATAGACACCAGGAAGCAACTAGCAGAGAATTTGG
 TAGTCATAGGTGGCACTTCTATGTTGCCAGGATTTCTCCACAGATTGCTTGCAGAAATAAGGTATTTGGT
 AGAAAAACCAAAATATAAAAAAGCACTTGGCACTAAGACATTTTGAATTCATACTCCACCTGCAAAAAGCT
 AATTGTGTGGCCTGGTTGGGAGGGGCTATTTTGGAGCATTACAAGATATACTTGGGAGCCGTTCTGT
 CAAAGGAATATTATAATCAGACGGCGGTATACCTGATTGGTGTCTCTCAATAACCCACCTTTGGAAT
 GATGTTTGTGTCGGGAAAACCAACCCTCTGATGAAGAGAGCATTTTCCACTGAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202110 representing NM_018477
 Red=Cloning site Green=Tags(s)

MPLYEGLSGGEKTAVVIDLGEAFTKCGFAGETGPRCIIPSVIKRAGMPKPVRRVQYNINTEELYSYLKE
 FIHILYFRHLLVNPRDRRVVIIIESVLCPSHFRETLTRVLFKYFEVPSVLLAPSHLMALLTLGINSAMVLD
 CGYRESLVLPIYEGIPVLNCWGALPLGGKALHKELETQLLEQCTVDTSVAKEQSLPSVMGSVPEGVLEDI
 KARTCFVSDLKRGLKIQAQAKFNIDGNNERPSPPPNVVDYPLDGEKILHILGSIKRDVVEILFEQDNEEQSV
 ATLIILDSLIQCPIDTRKQLAENLVVIGGTSMLPGFLHRLLAEIRYLVEKPKYKKALGTKTFRIHTPPAKA
 NCVAWLGGAIFGALQDILGSRSSVSKYENQTRIPDWCSLNNPPEMMFDVGKTQPPLMKRAFSTEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018477

ORF Size: 1251 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_018477.3](#)

RefSeq Size: 2451 bp

RefSeq ORF: 1254 bp

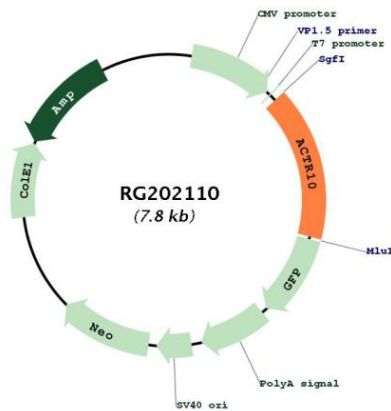
Locus ID: 55860

UniProt ID: [Q9NZ32](#)

Cytogenetics: 14q23.1

Domains: ACTIN

Product images:



Circular map for RG202110