

## Product datasheet for **RG204807**

### **ACTR6 (NM\_022496) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR6 (NM_022496) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACTR6
Synonyms:	ARP6; CDA12; hARP6; hARPX; HSPC281; MSTP136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204807 representing NM_022496 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGACCTTAGTGCTGGATAATGGAGCTTACAACGCCAAAATCGGTTACAGCCATGAAAATGTGTCCG  
TTATTCCTAATTGTCAGTTCGGTCAAAAACAGCACGTCTTAAACTTTACTGCCAACAGATAGATGA  
AATAAAAGACCCCTTCTGGACTCTTTACATCCTCCCTTTCAAAGGGCTACTTGGTGAATTGGGATGTT  
CAGAGACAAGTTGGGATTACCTTTTGGAAAAGAAATGTATCAGGTTGATTTTTAGATACTAATATTA  
TTATCACTGAACCATACTTTAATTCACTTCAATTCAAGAATCAATGAATGAAATCTATTTGAAGAATA  
CCAGTTTCAAGCAGTATTAAGAGTAAATGCTGGGGCTCTCAGTGCACATAGGTATTTCCGAGATAATCCT  
TCCGAATTATGCTGTATCATTGTTGATAGTGGATATTCCTTTACACATATAGTTCCTTATTTGAGAAGTA  
AAAAGAAAAAGAAGCAATTATTCGGATAAATGTGGGAGGAAAATCTTAAACCAATCATCTAAAGGAGAT  
CATATCTTACAGGCAGCTACATGTTATGGATGAAACACATGTGATTAATCAAGTGAAGAAGATGTATGC  
TATGTGTCTCAGGATTTTTATAGAGACATGGATATTGCAAAGTTGAAAGGAGAAGAAAATACAGTAATGA  
TAGACTATGTCTTGCCTGACTTCAGTACAATTAAGGGCTTTTGTAGCCAAGGAAGAGATGGTGTT  
GAGTGGAAAATACAAATCTGGGGAACAAATCTTCGTTTGGCCAATGAGAGATTTGCTGTTCCGGAATA  
CTCTTTAATCCTTCTGATATAGGCATTTCAAGAAATGGGAATCCAGAAGCTATTGCTATTCAATTCAAA  
ATCTACCTGAAGAAATGCAGCCGATTTTTTAAGAACATTGTCTTGACAGGAGGAAATTCCTTTTCCC  
AGGATTTAGGGATCGGGTTTACTCAGAAGTTTCGATGTCTTACTCCAACAGATTATGATGTTTCTGTTGTG  
CTGCCTGAAAACCTATTACTTATGCCTGGGAAGTGGAAAATTGATATCAGAGAATGATGATTTTGAAG  
ATATGGTGGTAACAAGAGAAGATTACGAAGAAAATGGACATAGCGTCTGTGAAGAGAAATTTGATATT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204807 representing NM\_022496  
 Red=Cloning site Green=Tags(s)

MTTLVLDNGAYNAKIGYSHENSVIPNCQFRSKTARLKTFTANQIDEIKDPSGLFYILPFQKGYLVNWDV  
 QRQVWDYLFQKEMYQVDFLDNIIITEPYFNFTSIQESMNEILFEEYQFQAVLRVNAGALSAHRYFRDNP  
 SELCCIIVDSGYSFTHIVPYCRSKKKKEAIRINVGKLLTNHLKEIISYRQLHVMDETHVINQVKEDVC  
 YVSQDFYRDMEDIAKLGEEENTVMIDYVLPDFSTIKKGFCKPREEMVLSGKYKSGEQILRLANERFAVPEI  
 LFNPSDIGIQEMGIPEAIVYSIQNLPEEMQPHFFKNIVLTGGNSLFPGFRDRVYSEVRCLTPTDYDYSVV  
 LPENPITYAWEGGKLISENDDFEDMVVTREDDYEENGHSVCEEKFDI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_022496

**ORF Size:** 1188 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\\_022496.4](#)

**RefSeq Size:** 1789 bp

**RefSeq ORF:** 1191 bp

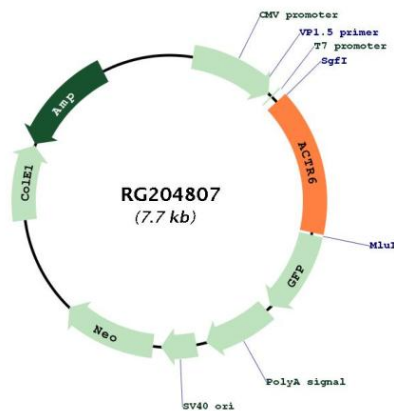
**Locus ID:** 64431

**UniProt ID:** [Q9GZN1](#)

**Cytogenetics:** 12q23.1

**Domains:** ACTIN

**Product images:**



Circular map for RG204807