

Product datasheet for **MR206606**

Actr10 (NM_019785) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Actr10 (NM_019785) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Actr10 |
| Synonyms: | Actr11; Arp11 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206606 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTCTACGAGGGCCTTGGGAGCGGCGGCGAGAAGACAGCGGTCGTGATCGACCTAGGAGAAGCTT
TCACCAAGTGTGGATTCGCAGGAGAACTGGTCCACGATGTATAATTCCTAGTGTGATAAAAAGAGCTGG
CATGTCTAAGCCAATCAAAGTTGTTTCAGTATAATCAATACAGAAGAATTATATTCCTACCTAAAGGAA
TTCATCCACATACTGTATTCAGGCATCTGTTGGTGAATCCAGAGACCGCCGCTGTGGTTATCGAGT
CGGTGTTATGTCCTTCCCACTTCAGAGAGACTCTGACTCGTGTCTTTTTAAATATTTTGGAGTTCCATC
TGTCTACTTGGTCCAAGTCATCTGATGGCACTGCTGACGCTCGGGATAATTCCGCCATGGTCCCTGGAT
TGTGGATATAGGGAAAAGCCTGGTGTGCTATCTATGAAGGCATCCCAATACTGAATTGCTGGGGAGCAC
TGCCGTTAGGAGGAAAAGCTCTCCACAAGGAGTTGAAAACCTCAGCTGTTGGAGCAATGACTGTTGACAC
TGGTGCAGCTAAAGGACAGAGCCTCCCTCAGTGATGGGTTTCAGTCCAGAAGGTGTGCTAGAAGATATT
AAAGTGCACAGTGTCTTGTGAGTATCTGAAGCGTGGACTGCAATCCAAGCAGCAAAATTTAATATTG
ATGGGAATAATGAGCGTCCCACTCCACCTCCAAATGTTGACTATCCATTGGATGGAGAGAAAATTTTACA
TGTGCTTGGATCAATCAGAGATTCAGTTGTGAAAATCCTTTTTGAACAAGATAATGAGGAGAAGTCAGTT
GCCACTTTAATTTGGATTCCCTTTTACAGTGCCCAATAGACACCAGGAAGCAACTGGCAGAGAATTTGG
TAATCATCGGTGGCACATCTATGTTGCCAGGCTTCTCCACAGATTGCTTGCAGAAAATACGGTATTTGGT
AGAAAAGCCTAAGTACAAAAAGACACTTGGCACCAAGAACTTCCGAATTCATACTCCACCTGCAAAAAGCT
AATTGTGTGGCCTGGTGGGAGGGGCTGTTTTGGAGCATTGCAAGACATACTTGGGAGCCGCTCCATTT
CAAAGGAATACTATAACCAGACGGGCCATACCTGACTGGTGTCTCTCAACAACCTCCCTGGAAAT
GATGTTTGTGTTGGGAAAAGCGCAACCACCGCTGATGAAAAGGGCATTTCCTACTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206606 protein sequence
 Red=Cloning site Green=Tags(s)

MPLYEGLGSGGEKTAVVIDLGEAFTKCGFAGETGPRCIIPSVIKRAGMSKPIKVVQYNINTEELYSYLKE
 FIHILYFRHLLVNPRDRRVVIESVLCPSHFRETLTRVLFKYFEVPSVLLAPSHLMALLTLGINSAMVLD
 CGYRESLVLPYIEGIPILNCWGALPLGGKALHKELETQLLEQCTVDTGAAKGQSLPSVMGSVPEGVLEDI
 KVRTCFVSDLKRLQIQAAKFNIDGNNERPTPPPNVDYPLDGEKILHVLGSIIRDSVVEILFEQDNEEKSV
 ATLILDSLLQCPIDTRKQLAENLVIIGGTSMLPGFLHRLLAEIRYLVEKPKYKKTGTFKNFRIHTPPAKA
 NCVAWLGGAVFGALQDILGSRSSISKEYYNQTGRIPDWCSLNNPPEMMFVDVGAQPPMLMKRAFSTEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019785

ORF Size: 1254 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_019785.1](#), [NM_019785.2](#), [NP_062759.1](#)

RefSeq Size: 4022 bp

RefSeq ORF: 1254 bp

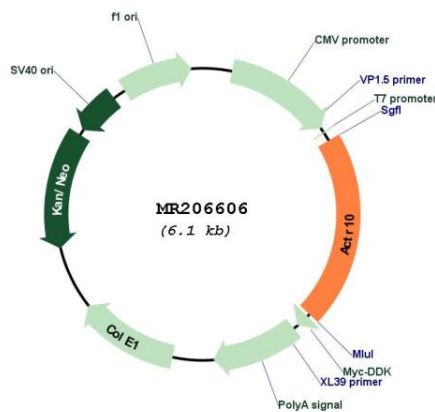
Locus ID: 56444

UniProt ID: [Q9QZB7](#)

Cytogenetics: 12 C2

MW: 46.2 kDa

Product images:



Circular map for MR206606