

Product datasheet for **RC206098**

ACTRT2 (NM_080431) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ACTRT2 (NM_080431) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ACTRT2 |
| Synonyms: | Arp-T2; ARPM2; ARPT2; HARPM2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC206098 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTTAAATCCGCATGCTTTAGACTCCCCGGCTGTGATTTTTGACAATGGCTCGGGTCTGCAAAGCGG
GCCTGTCTGGGGAGTTTGGACCCCGGCACATGGTCAGCTCCATCGTGGGGCACCTGAAATTCAGGCTCC
CTCAGCAGAGGCCAACCAGAAGTACTTTGTGGGGAGGAGGCCCTGTACAAGCAGGAGGCCCTGCAGCTG
CACTCCCTTTTCGAGCGTGGCCTGATCACAGGGTGGGATGACGTGGAGAGACTCTGGAAGCACCTTTTG
AGTGGGAGCTAGGCGTGAACCCAGCGACCAGCCCTGCTTGCAACGGAGCCCTCCCTGAACCCAGGGA
GAACCGTGAGAAGATGGCAGAAGTCATGTTTCGAGAACTTCGGCGTGCCCGCTTCTACCTGTCGGACCAG
GCGGTGCTGGCTCTCTACGCCTCGGCCTGTGTACGGGCCTGGTGGTGGACAGCGGGGATGCGGTACCT
GCACTGTCCCCATCTTTGAGGGTACTCCCTGCCCCACGCAGTCACCAAGCTCCACGTGGCGGGCAGGGA
CATCACGGAGCTCCTCATGCAGCTGCTCCTGGCCAGCGGCACACCTTCCCTGCCAGCTGGACAAGGGT
CTCGTGGACGACATCAAAAAGAAGCTGTGCTACGTGGCCTTGAGCCCGAGAAGGAGCTTCCCGGAGGC
CGGAGGAGTCTGAGGGAGTACAAGCTGCCCGACGGGAACATCATCAGCCTCGGGGACCCGCTGCACCA
GGCGCCGAGGCCCTGTTCGTGCCCGCAGCAGCTGGCAGCCAGAGCCCGGGCTCTCGAATATGGTCTCC
AGCAGCATACCAAGTGTGATACCGACATCCAGAAGATCCTTTGGGGAGATTGTGCTGTCGGGGGGCA
CTACCCTGTTCCACGGGCTGGATGACCGGCTTCTCAAGGAGCTGGAGCAGCTGGCCTCAAGGACACCCC
CATCAAGATCACGGCTCCCCCGACCGGTGTTCTCCACCTGGATTGGAGCCTCCATCGTCACCTCTCTG
AGTAGTTCAAGCAGATGTGGGTCACCGCCGAGACTTCAAGGAGTTGGGACCTCCGTGGTGCAGAGAA
GATGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_080431.5](#)

RefSeq Size: 1437 bp

RefSeq ORF: 1134 bp

Locus ID: 140625

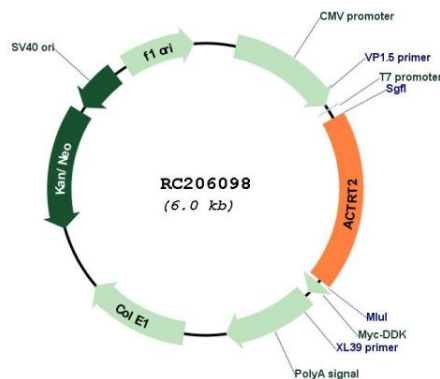
UniProt ID: [Q8TDY3](#)

Cytogenetics: 1p36.32

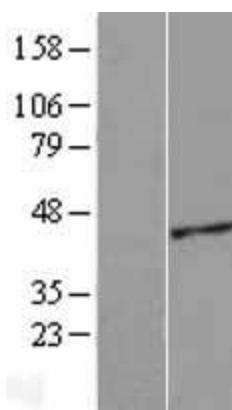
MW: 41.6 kDa

Gene Summary: The protein encoded by this intronless gene belongs to the actin family. Studies have shown that this protein may be involved in cytoskeletal organization similar to other cytoplasmic actin-related protein (ARP) subfamily members. Antibody raised against the human protein has been used to detect the protein by immunoblotting and immunofluorescence microscopy, demonstrating its specific synthesis in the testis, late in spermatid differentiation, and its localization in the calyx. [provided by RefSeq, Jul 2008]

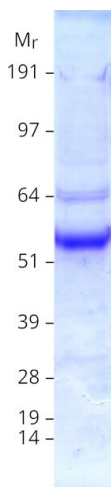
Product images:



Circular map for RC206098



Western blot validation of overexpression lysate (Cat# [LY409174]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206098 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ACTRT2 protein (Cat# [TP306098]). The protein was produced from HEK293T cells transfected with ACTRT2 cDNA clone (Cat# RC206098) using MegaTran 2.0 (Cat# [TT210002]).