

Product datasheet for **SC126009**

ACTRT2 (NM_080431) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACTRT2 (NM_080431) Human Untagged Clone
Tag: Tag Free
Symbol: ACTRT2
Synonyms: Arp-T2; ARPM2; ARPT2; HARPM2
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_080431 edited

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GCCAGGCCACCTGGAGGGAGAGCAGACCTGCGGCTGAGGATGCAGGGCTCCCGGGCACGG
TGCTAGCCCTGCCTTGAGACACCCCGAGAGCTGTGGGAAGAGCTGTGGATCCCCATTG
CATCACAAAGCGGCCCTGGAGGGCCGGTCTTTATTTTATGATGAGGCTGAGAAGGAAGGCT
GCGGGCATGTTTAAATCCGCATGCTTTAGACTCCCCGGCTGTGATTTTTGACAATGGCTCG
GGGTTCTGCAAAGCGGGCCTGTCTGGGGAGTTGGACCCCGGCACATGGTCAGCTCCATC
GTGGGGCACCTGAAATCCAGGCTCCCTCAGCAGAGGCCAACCAGAAGTACTTTGTGGGG
GAGGAGGCCCTGTACAAGCAGGAGGCCCTGCAGCTGCACTCCCCTTTCGAGCGTGGCCTG
ATCACAGGGTGGGATGACGTGGAGAGACTCTGGAAGCACCTCTTTGAGTGGGAGTAGGC
GTGAAACCCAGCGACCAGCCCCTGCTTGCAACGGAGCCCTCCCTGAACCCAGGGAGAAC
CGTGAGAAGATGGCAGAAGTCATGTTCCGAGAACTTCGGCGTGCCCGCTTTCTACCTGTGC
GACCAGGCGGTGCTGGCTCTCTACGCCTCGGCCTGTGTACGGGCTGGTGGTGGACAGC
GGGGATGCGGTACCTGCACTGTCCCCATCTTTGAGGGTTACTCCCTGCCCCACGCAGTC
ACCAAGCTCCACGTGGCGGGCAGGGACATCACGGAGCTCCTCATGCAGCTGCTCTGGCC
AGCGGCCACACCTTCCCCTGCCAGCTGGACAAGGGTCTCGTGGACGACATCAAAAAGAAG
CTGTGCTACGTGGCCTTGAGCCCGAGAAGGAGCTTTCCCGAGGCCGGAGGAGGTCCTG
AGGGAGTACAAGCTGCCGACGGGAACATCATCAGCCTCGGGGACCCGCTGCACCCAGGCG
CCCGAGGCCCTGTTCTGTCGCCAGCAGCTGGGCAGCCAGAGCCCGGGCTCTCGAATATG
GTCTCCAGCAGCATCACCAAGTGTGATACCGACATCCAGAAGATCCTCTTTGGGGAGATT
GTGCTGTGCGGGGGCACTACCCTGTTCCACGGGCTGGATGACCGGCTTCTCAAGGAGCTG
GAGCAGCTGGCCTCAAGGACACCCCCATCAAGATCACGGCTCCCCCGACCGTGGTTC
TCCACCTGGATTGGAGCCTCCATCGTCACCTCTCTGAGTAGCTTCAAGCAGATGTGGGTC
ACCGCCGACACTTCAAGGAGTTTGGGACCTCCGTGGTGCAGAGAAGATGCTTCTGAAGG
CCGCTTCTCGTTGGGTACCGTGGGGGTGAACCCTAGCCCCAGCTTTGGGAGGATGTTCA
ATAAAGGACCAATGCCGGAIAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080431 unedited AGGTCATTATTGTAACGACTCCTATAGGCGGCCGCGTAATTCTCGACGCGGGCCAGGCC ACCTAGGAGGAGAGCAGACCTGCGGCTGAGGATGCAGGGCTCCCGGGCACGGTGTAGCC CTGCCTTGAGACACCCCGAGAGCTGTGGGAAGAGCTGTGGGATCCCCTATTGCATCACAA AGCGGCCCTGGAGGGCCGGTCTTTATTTTATGATGAGGCTGAGAAGGGAAGGCTGCGGGCAT GTTTAATCCGCATGCTTTACACTCCCCGGCTGTGATTTTTGACAATGGCTCGGGTCTG CAAAGCGGGCCTGTCTGGGGAGTTTGGACCCCGGCACATGGTCAGCTCCATCGTGGGGCA CCTGAAAATTCCAGGCTCCCTCAGCAGAGGCCAACCAGAAGTACTTTGTGGGGAGGAGGC CCTGTACAAGCAGGAGGCCCTGCAGCTGCACTCCCTTTTCGAGCGTGGCCTGATCACAGG GTGGGATGACGTGGAGAGACTCTGGAAGCACCTCTTTGAGTGGGAGCTAGGCGTGA AAC CAGCGACCAGCCCTGCTTGCAACGGAGCCCTCCCTGAACCCAGGGAGAACCGTGAGAA GATGGCAGAAGTCATGTTTCGAGAACTTCGGCGTGCCTGCTTCTACCTGTCGGACCAGGC GGTGTGGCTCTCTACGCTCGGCTGTGTACGGGCTGGTGGTGGACAGCGGGGATGC GGTCACCTGCACTGTCCCCTCTTTNGAGTTACTCCCTGCCACGCAGTCACCAAGCT CCACGTGGCGGGCAGGGACATCAGGAGCTCCTCATGCAGCTGCTCCTGGCCAGCGGCCA CACCTTTCCCTGCCAGCTGGACAAGGGTCTCGTGGACGACATCAAAAAGAGCTGTGCTAC GTGGCCTTTGGACCCGAGAAGAGCTTT
Restriction Sites:	Please inquire
ACCN:	NM_080431
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_080431.3</u> , <u>NP_536356.3</u>
RefSeq Size:	1416 bp
RefSeq ORF:	1134 bp
Locus ID:	140625
UniProt ID:	<u>Q8TDY3</u>
Cytogenetics:	1p36.32

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]