

Product datasheet for SC123127

ACTRT1 (NM_138289) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACTRT1 (NM_138289) Human Untagged Clone
Tag: Tag Free
Symbol: ACTRT1
Synonyms: AIP1; ARIP1; ARPT1; HSD27
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_138289 edited
AGCGGAGATAAGATTTCAGAGGTTGAGGATGGGGTGTCTGGTGGACTGAAGGTAGCCTAC
TAGCTGTACATGGGTGACAACCTTGAACTTCAGAACCCTGAAGTTAAAAAATTCTAAAG
GTGCCTGTCATCTCAGAGAGTGACGTAAGTGTCTTTCTTTATTTGGGGGAAGTCCAGGA
GAACATATTACAGACATGTTAATCCACATGCATTAGATGTTCCCTGCTGAATTTTTGAC
AATGGTTCAGGACTCTGCAAAGCAGGCCTGTCTGGAGAGATTGGACCCGCCATGTCATC
AGCTCCGTCTTGGGACATTGTAATTCAATGTGCCTTTAGCAAGACTTAATCAGAAGTAC
TTCGTGGGGCAAGAAGCCCTGTACAAGTATGAGGCCCTACATTTGCACTACCCATTGAG
CGTGGACTGGTAACAGGATGGGATGACATGGAGAACTCTGAAACATCTCTTTGAGCGG
GAGCTTGGAGTAAAACCCAGCCAACAGCCTGTACTTATGACCGAGCCCTCTTTGAATCCT
AGGGAAATTCGAGAAAAGCTAGCAGAAATGATGTTTGAGACCTTCAGTGTGCCTGGTTTC
TACCTGTCTAATCATGCGGTGGCAGCGCTCTATGCCTCTGCCTGTGTACAGGCCTGGTG
GTGGACAGTGGAGATGGGGTCACTTGCCTGTCCTCCATCTTTGAGGGTTACTCCCTGCCT
CACGCAGTCACCAAACCTGTATGGCAGGGAGGGACATCACAGAGCACCTCACCCGGCTC
CTCTTTGCTAGCGGGTTAACTTCCCTTGCACTCAACAAGGCCGTGGTAAATAACATC
AAAGAGAAGTTGTGCTACATCGCCTTGGAGCCAGAGAAAGAGCTACGCAAGAGCCGGGGA
GAGGTCTGGGAGCATACAGACTGCCAGATGGACATGTCATCCACTTTGGGGATGAGCTG
TACCAAGTGCCCGAGGTTCTTTTTGCACCTGACCAGCTGGGCATCCACAGCCAGGACTC
TCAAAAATGGTCTCCAGCAGCATATGAAGTGTGACACTGACATCCAGAATAAATTTAT
GCAGACATTTGACTCTCCGGGGCACCCTCTCCTCCCTGGGCTGGAGGAAAGGCTCATG
AAGGAAGTGGAAACAGCTGGCTTCCAAAGTACTCCCATCAAGATCACAGCTTCTCCTGAT
AGATGCTTCTCTGCATGGATTGGTGCATCCATCATGACCTCTATGAGCAGTTTCAAGCAG
ATGTGGGTACCTCGGCAGACTTCAAGGAGTATGGGACATCTGTGGTTCAAAGAAGGTGC
TTTTAAAGATCCTTGAGCAGAGGAGACATCTTGAAGTGTGAGATTACAGGAGTACCAGTG
GGAGATGGCATTCTTCTGGGCTTCAGCATGATGTTCAATAAAAGTTTTGCCATTCCAA
AAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138289 unedited CGTCANAATTTGTATACGACTCATATAGGCGGCCGCATAACTTCGTATAGCATACATTAT ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGAGATAAGA TTCAGAGGTTGAGGATGGGGTGTCTGGTGGACTGAAGGTAGCCTACTAGCTGTACATGG GTGACAACCTTGAACTTCAGAACCCCTGAAGTTTAAAAAATTCTAAAGGTGCCTGTCATCT CAGAGAGTGACGTAAGTGTCTTTCTTTATTTGGGGGAAGTCCAGGAGAACATATTACAG ACATGTTTAATCCACATGCATTAGATGTTCTGCTGTAATTTTTGACAATGGTTCAGGAC TCTGCAAAGCAGGCTGTCTGGAGAGATTGGACCCGCCATGTCATCAGCTCCGTCTTGG GACATTGTAAATCAATGTGCCTTTAGCAAGACTTAATCAGAAGTACTTCGTGGGCAAG AAGCCCTGTACAAGTATGAGGCCCTACATTTGCACTACCCATTGAGCGTGGACTGGTAA CAGGATGGGATGACATGGAGAACTCTGAAACATCTCTTTGAGCGGGAGCTTGGAGTAA AACCCAGCCAACAGCCTGTACTTATGACCGAGCCCTCTTGAATCCTAGGGAAATTCGAG AAAAGCTAGCAGAAATGATGTTTGAGACCTTCAGTGTGCCTGGTTTCTACCTGTCTAATC ATGCGGTGGCAGCGCTCTATGCCTCTGCCTGTGTACANGCCTGGTGGTGGACAGTGGGA AAGGGGTCACTTGCCTGTCCCATCTTTGAGGTTTACTCCCTGCCTCACGCAGTCACC AAACTCTGTATGGCAGGGAAGGAACATCACANAGCACCTCACCCGCTCCTCCTTGTAG CGGGGTTAACTCCCCTGGCTACTACCAAG
Restriction Sites:	Please inquire
ACCN:	NM_138289
Insert Size:	1454 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
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:	NM_138289.1 , NP_612146.1
RefSeq Size:	1454 bp

RefSeq ORF: 1131 bp

Locus ID: 139741

UniProt ID: [Q8TDG2](#)

Cytogenetics: Xq25

Gene Summary: This gene encodes a protein related to the cytoskeletal protein beta-actin. This protein is a major component of the calyx in the perinuclear theca of mammalian sperm heads, and it therefore likely functions in spermatid formation. This gene is intronless and is similar to a related gene located on chromosome 1. A related pseudogene has also been identified approximately 75 kb downstream of this gene on chromosome X. [provided by RefSeq, May 2010]