

## Product datasheet for **MR219156**

### **Acrbp (NM\_016845) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acrbp (NM_016845) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acrbp
Synonyms:	OY-TES-1; sp32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219156 representing NM\_016845  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGAATCTAGCTGCTGGCTTCTTCTGATGCTTCTGGAAGTCTGCTCCTGCCTGGAACACCTCTTT  
 CCGCTGAGGAATCTCCAGCCTCCACTCCAGGCAGCCCTCTCTCGTCCACTGAGTATGAACGCTTCTTCGC  
 CCTGCTGACCCCAACCTGGAAGGCAGAGACCACCTGCCGCCTCCGTGCCACCCACGGCTGCCGGAACCCC  
 ACTCTCGTTCACTGGATCAATATGAAAACCACGGATTGGTACCAGATGGTGTCTGTCTGCTCCGATCTCC  
 CTTATGCTTCTGGTTTGTGCTTCTGCCAGTTTGTCTAGTATCGTTGCTCCAACCATGTCTACTATGC  
 CAAGAGGGTCCGGTGTCCCAGCCCGTCTCCATCTATCCCCAACACTCTCAAGGAGGTGGAGTCTTCA  
 GCAGAAGTTCTCCACTTCCATGACCACCCCATTTGTGTCCATGCCACAGCCACAGAACCACAGGCCCT  
 TCCAGCCTTGGCCTGAGCGGCTCAACAACAACGTGGAGGAGCTGTGCAGTCATCCTTGTCCCTGGGAGG  
 CAAGGACCAACAGAGCAGTCGGAGACCAGGCCAGGAGCAGCGCAAGCAGGAGCAGATCCAAGAACATAAG  
 CTAGAAGAAGCGCAGGAGCAAGAAGAGCAGGAAGAAGAGGAAGAGGAGGAGGAAGCAAGCAGGAAGAGG  
 GGCAGGGGACAGAGGCGGGTCTGGAGTCACTGTCCAGGCTGCAGTCAGACTCAGAGCCCAAGTTTCAATC  
 CCAGTCACTGTCTTCAACCCGCTCTTCTTCACTCCCCGGGTCGAGAGGTGGAGTCTGCTCCATTGATG  
 ATGAAGAATATCCAGGAGCTCATTCGGTCTGCCAGGAAATGGATGAAATGAATGAACTGTATGATGACT  
 CCTGGAGAAGCCAAAGCACTGGCAGCCTCCAGCAGCTGCCCCACATGGAGACCCTGATGGTGCTATGCTA  
 TTCCATTATGGAGAATACCTGCACCATGACTCCACAGCCAAGGCCTGGAGCTACATGGAGGAGGAGATC  
 CTTGGCTTCGGGATTCGGTGTGTGACAATCTCGGAAGGCGACACACAGCTGCCTGTCCCCTCTGTGAT  
 TCTGCTCCCTGAAGCTGGAGCAGTCCACAGTGAAGCCAGTGTGCTGCCCAGAAGTGTGACGCTTCCCA  
 CAAGATACCCTTTCATCAGCCCTTGTCTCTCAGCCAGAGCATATCCACGGGCAACCAGGCCGAGGATCCCA  
 GATAAAGGACGATTTGCTGGGCTAGAAATGTACGGAGGACTCAGCTCAGAGTTCTGGTGCACCCGCTTG  
 CTATGAAGGGCTGTGAAGATGACCGAGTCTCCAACTGGCTCAAAGCTGAGTTCCTTAGCTTCCAGGAGGG  
 GGATTTCCCAACAGATTTGTGACACAACTATATCCAGTACCCAACTACTGTTCTTCAAAGCCAG  
 CAGTGCCTGTGAGAAACCAGAACAGAAAGATGTCCGCATGAGGTGTATGCTGAATGAGAGGTACAACG  
 TGCTAAGCCTGGTAAGAGCGAAGAGGTGATCCTTCGATGGAGCCAAGAGTTTAGCACTTTGGCTATAGG  
 CCAGTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219156 representing NM\_016845  
 Red=Cloning site Green=Tags(s)

MMNLAAGFLLMLLEVLLLPGTPLSAEESPASTPGSPLSSTEYERFFALLTPTWKAETTCRLRATHGCRNP  
 TLVQLDQYENHGLVPDGAVCSLDPYASWFESFCQFAQYRCSNHVYAKRVRCSQPVSILSPNTLKEVESS  
 AEVPPTSMTTPIVSHATAEHQAFQPWPERLNNNVEELLQSSLSLGGKQQSSRRPGQEQRKQEQIQEHK  
 LEEAQEQEEQEEEEEEEEAKQEEGQTEAGLESVSRQLQSDSEPKFQSQSLSSNPSFFTPTRVREVESAPLM  
 MKNIQELIRSAQEMDEMNELYDDSWRSQSTGSLQQLPHMETLMVLCYSIMENTCTMTPTAKAWSYMEEEI  
 LGFGDSVCDNLGRRHTAACPLCAFCSLKLEQCHSEASVLRQKCDASHKIPFISPLLSAQSI STGNQARIP  
 DKGRFAGLEMYGGLSSEFWCNRLAMKGCEDDRVSNWLKAEFLSFQEGDFPTKICDTNYIQYPNYCSFKSQ  
 QCLLRNQNRKMSRMRCLNERYNVL SLAKSEEVILRWSQEFSTLAIGQFG

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_016845

**ORF Size:** 1620 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\\_016845.2](#), [NP\\_058541.2](#)

**RefSeq Size:** 1913 bp

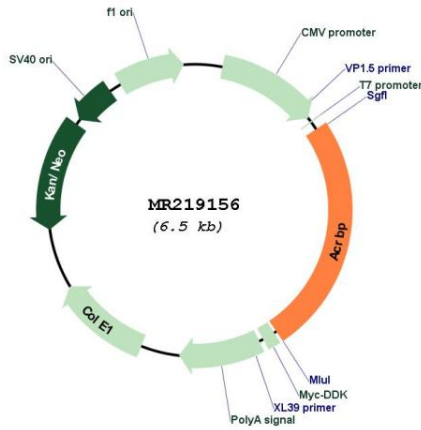
**RefSeq ORF:** 1623 bp

**Locus ID:** 54137

**UniProt ID:** [Q3V140](#)

**Cytogenetics:** 6 F2  
**MW:** 61.6 kDa  
**Gene Summary:** May be involved in packaging and condensation of the acrosin zymogen in the acrosomal matrix via its association with proacrosin.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219156