

Product datasheet for **MG219156**

Acrbp (NM_016845) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acrbp (NM_016845) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acrbp
Synonyms:	OY-TES-1; sp32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219156 representing NM_016845
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGAATCTAGCTGCTGGCTTCTTCTGATGCTTCTGGAAGTCTGCTCCTGCCTGGAACACCTCTTT
 CCGCTGAGGAATCTCCAGCCTCCACTCCAGGCAGCCCTCTCTCGTCCACTGAGTATGAACGCTTCTTCGC
 CCTGCTGACCCCAACCTGGAAGGCAGAGACCACCTGCCGCCTCCGTGCCACCCACGGCTGCCGGAACCCC
 ACTCTCGTTCACTGGATCAATATGAAAACCACGGATTGGTACCAGATGGTGTCTGTCTGCTCCGATCTCC
 CTTATGCTTCTGGTTTGTGCTTCTGCCAGTTTGTCTAGTATCGTTGCTCCAACCATGTCTACTATGC
 CAAGAGGGTCCGGTGTCCCAGCCCGTCTCCATCTATCCCCAACACTCTCAAGGAGGTGGAGTCTTCA
 GCAGAAGTTCTCCACTTCCATGACCACCCCATTTGTGTCCATGCCACAGCCACAGAACCAGGCGCT
 TCCAGCCTTGGCCTGAGCGGCTCAACAACAACGTGGAGGAGCTGTGCAGTCATCCTTGTCCCTGGGAGG
 CAAGGACCAACAGAGCAGTCGGAGACCAGGCCAGGAGCAGCGCAAGCAGGAGCAGATCCAAGAACATAAG
 CTAGAAGAAGCGCAGGAGCAAGAAGAGCAGGAAGAAGAGGAAGAGGAGGAGGAAGCAAGCAGGAAGAGG
 GGCAGGGGACAGAGGCGGGTCTGGAGTCACTGTCCAGGCTGCAGTCAGACTCAGAGCCCAAGTTTCAATC
 CCAGTCACTGTCTTCAACCCGCTTCTTCACTCCCCGGGTCCGAGAGGTGGAGTCTGCTCCATTGATG
 ATGAAGAATATCCAGGAGCTCATTCCGTCTGCCAGGAAATGGATGAAATGAATGAATGAACTGTATGATGACT
 CCTGGAGAAGCCAAAGCACTGGCAGCCTCCAGCAGCTGCCCCACATGGAGACCCTGATGGTGTATGCTA
 TTCCATTATGGAGAATACCTGCACCATGACTCCACAGCCAAGGCCTGGAGCTACATGGAGGAGGAGATC
 CTTGGCTTCGGGATTCCGGTGTGTGACAATCTCGGAAGGCGACACACAGCTGCCTGTCCCCTCTGTGCAT
 TCTGCTCCCTGAAGCTGGAGCAGTGCACAGTGAAGCCAGTGTGCTGCGCCAGAAGTGTGACGCTTCCCA
 CAAGATACCCTTTCATCAGCCCTTGTCTCAGCCAGAGCATATCCACGGGCAACCAGGCGAGGATCCCA
 GATAAAGGACGATTTGCTGGGCTAGAAATGTACGGAGACTCAGCTCAGAGTTCTGGTGCACCCGCTTG
 CTATGAAGGGCTGTGAAGATGACCGAGTCTCCTCAACTGGCTCAAAGCTGAGTTCTCTTAGCTTCCAGGAGGG
 GGATTTCCCCACCAAGATTTGTGACACAACTATATCCAGTACCCAACTACTGTTCTTCAAAGCCAG
 CAGTGCCTGTGAGAAACCAGAACAGAAAGATGTCCGCATGAGGTGTATGCTGAATGAGAGGTACAACG
 TGCTAAGCCTGGTAAGAGCGAAGAGGTGATCCTTCGATGGAGCCAAGAGTTTAGCACTTTGGCTATAGG
 CCAGTTTGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

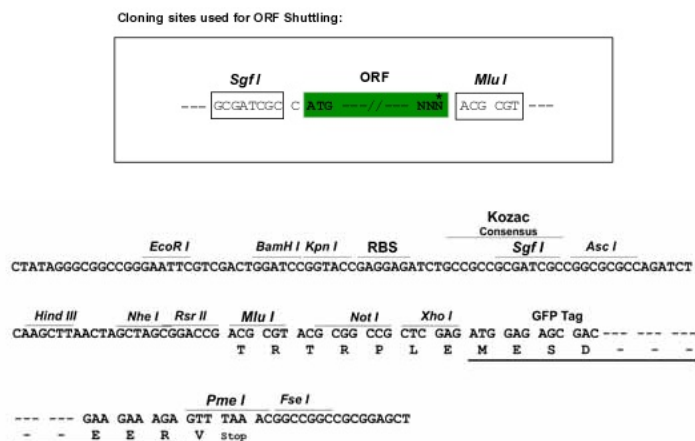
>MG219156 representing NM_016845
 Red=Cloning site Green=Tags(s)

MMNLAAGFLLMLLEVLLLPGTPLSAEESPASTPGSPLSSTEYERFFALLTPTWKAETTCRLRATHGCRNP
 TLVQLDQYENHGLVPDGAVCSLDPYASWFESFCQFAQYRCSNHVYAKRVRCSPVSIILSPNTLKEVESS
 AEVPPTSMTTPIVSHATATEHQAFQPWPERLNNNVEELLQSSLSLGGKQQSSRRPGQEQRKQEIQEIK
 LEEAQEQEEQEEEEEEEEAKQEEQGTEAGLESVSRLQSDSEPKFQSQSLSSNPSFFTPRVREVESAPLM
 MKNIQELIRSAQEMDEMNELYDDSWRSQSTGSLQQLPHMETLMVLCYSIMENTCTMTPTAKAWSYEEEEI
 LGFGDSVCDNLGRRHTAACPLCAFCSLKLQCHSEASVLRQKCDASHKIPFISPLLSAQSIQSTGNQARIP
 DKGRFAGLEMYGGLSSEFWCNRLAMKGCEDDRVSNWLKAEFLSFQEGDFPTKICDTNYIQYPNYCSFKSQ
 QCLLRNQNRKMSRMRMLNERYNVLSLAKSEEVILRWSQEFSTLAIGQFG

TRTRPLE - GFP Tag - V

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

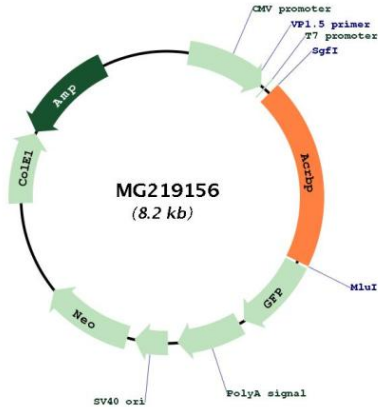
Locus ID: 54137

UniProt ID: [Q3V140](#)

Cytogenetics: 6 F2

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 MG219156