

## Product datasheet for MR204531

### Acrbp (NM\_001127340) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acrbp (NM_001127340) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acrbp
Synonyms:	OY-TE5-1; sp32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204531 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGATGAATCTAGCTGCTGGCTTCTTCTGATGCTTCTGGAAGTCTGCTCCTGCCTGGAACACCTCTTTCCGCTGAGGAATCTCCAGCCTCCACTCCAGGCAGCCCTCTCTCGTCCACTGAGTATGAACGCTTCTTCGCTGCTGACCCCAACCTGGAAGGCAGAGACCACCTGCCGCCTCCGTGCCACCCACGGTCCCGAACCCACTCTCGTTCAGTTGGATCAATATGAAAACCACGGATTGGTACCAGATGGTGTCTGTCTCCGATCTCCCTTATGCTTCTGGTTTGTAGTCTTCTGCCAGTTTGTCTAGTATCGTTGCTCCAACCATGTCTACTATGC CAAGAGGGTCCGGTGTCTCCAGCCCGTCTCCATCCTATCCCCAACACTCTCAAGGAGGTGGAGTCTTCA GCAGAAGTTCTCCACTTCCATGACCACCCCATTTGTGTCCATGCCACAGCCACAGAACCAGGCGCTTCCAGCCTTGGCCTGAGCGGCTCAACAACAACGTGGAGGAGCTGCTGCAGTCATCCTTGTCCCTGGGAGG CAAGGACCAACAGAGCAGTCGGAGACCAGGCCAGGAGCAGCGCAAGCAGGAGCAGATCCAAGAACAATAAG CTAGAAGAAGCGCAGGAGCAAGAAGAGCAGGAAGAAGAGGAGGAGGAGGAAGCAAGCAGGAAGAGG GGCAGGGGACAGAGGCGGGTCTGGAGTCAGTGTCCAGGCTGCAGTCAGACTCAGAGCCCAAGTTTCAATC CCAGTCACTGTCTTCCAACCCGTCCTTCTTCACTCCCCGGTCCGAGAGGTGGAGTCTGCTCCATTGATG ATGAAGAATATCCAGGAGCTCATTCCGGTCTGCCAGAAATGGATGAAATGAATGAATGACTGTATGATGACT CCTGGAGAAGCCAAAGCACTGGCAGGTACAGGAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204531 protein sequence  
Red=Cloning site Green=Tags(s)

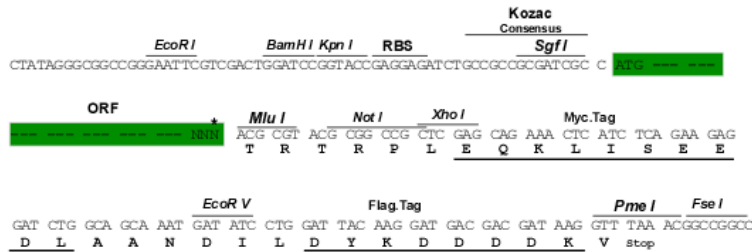
MMNLAAGFLLMLLEVLLLPGTPLSAEESPASTPGSPLSSTEYERFFALLTPTWKAETTCLRLATHGCRNP  
 TLVQLDQYENHGLVPDGAVCSDLPYASWFESFCQFAQYRCSNHVYAKRVRCSPVSI LSPNTLKEVESS  
 AEPPTSMTTPIVSHATAHQAFQPWPERLNNNVEELLQSSL SLGGKDQQSSRRPGQEQRKQEIQEHK  
 LEEAQEQEEQEEEEEEEEAKQEEGQGTEAGLESVSRLQSDSEPKFQSQSLSSNPSFFTTPRVREVESAPLM  
 MKNIQELIRSAQEMDEMNELYDDSWRSQSTGRYRKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001127340

**ORF Size:** 951 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\\_001127340.1](#), [NP\\_001120812.1](#)

**RefSeq Size:** 1259 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 54137

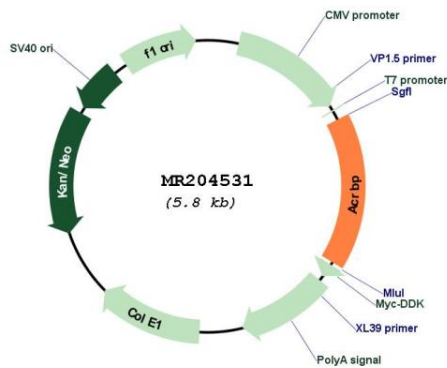
**UniProt ID:** [Q3V140](#)

**Cytogenetics:** 6 F2

**MW:** 35.8 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 MR204531