

Product datasheet for **RR206893**

Abcb10 (NM_001012166) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb10 (NM_001012166) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abcb10
Synonyms:	MGC109142
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR206893 representing NM_001012166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGCCCTCTGCCAGGGCGCTGCTGCTGTTCCGCGCCGGGGCCCTGCTGTGCGAGCTTGGGCC
 CGGCCGTCTCTCGGACATGGTTGGCTTCTGAGTGGACTCCGCTCGTACGCGCGTGGACCTCTCTGAT
 CCACGAGCCGAGCCGGGCTCCGCTTTCCCGTCCCCCTTTGGGGCTGCCTGGCGCGTGGGACGGTGG
 GCCACCTCTCGGGGATCCGCAGGTGTTGGGTGCTGCGAGGACCCGCGCCGCGCATCCCCTGTTGCCA
 GGCTCCAGGGAGCAGCGGCCACCGGTGTGCGAGACCTGGGAACGACTCGCAGCGCGGCCCGCAGCAGC
 CGGGCGCTCAGAAGTGTGAAGCTCCTGGGGTTGGTGCGCCCGGAGCGGGGAGACTGTCAGCTCGGTT
 GGCTTTCTTGCCGTGTCCAGTGTATCACCATGTCGGCCCCCTTCTTCTGGGAAAGATCATTGATGTCA
 TCTACACCAACCAACCGAGGACTTTGGCGACAGCCTGACTCGCCTCTGTGCTGGGCTCACCTGTGTGT
 CCTGTGTGGCGCTGCCGGAACAGCATCCGTGTCTACCTCATGCAGTCTTCAGGTGAGAGCATTGTGAAC
 AGGCTGCGCACCTCACTTCTCCTCCATTCTAAGGCAAGAGGTTGCCTCTTTGACAAGACCCGACCGG
 GCGAGTTGATTAACCGCCTCTCTCGGATACCGCACTCCTGGGCCACTCCGTGACCGAGAATCTCTCTGA
 CGGGCTGAGGGCTGTGGCCAGGCCTCGGTTGGTGTGGCATGATGTTCTTTGTGTACCAAGTCTGGCC
 ACCTTTGTTCTGAGTGTGGTCCACCTATCTGTCTCCTCGCTGTGATTTACGGGCGATATCTACGGAAAC
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 TCCTCGGTCACAGCCCGCAGGTGGAGAGGGCCGAGAAGTGGCCAATGCTGCTGAGTTTATTCTGAGCT
 TCCACAGGGCTTCGACACTGTGGTCCGGGAGAAGGGTGTCTCCTGTCTGGTGGCAGAAGCAGAGGAT
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 GCCGAAAACGAGCACCTGGTCCAGGAGGCGCTTGACCGGCTGATGGAGGGAAGAACCCTGTTGATCATAG
 CCCACCGCTCTCCACCTAAGAACGCCAATTTGTTGCCGCTTAACCAAGGAAAGATCTGTGAACA
 TGGGACACATGAGGAGCTGCTTTGAAGCCCAATGGGCTTTACAGAAAACCTGATGAACAAGCAGAGTCTC
 CTGCTACATAACGGGGCAGAGCAGTTCCTGGAACCTGCACAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206893 representing NM_001012166
Red=Cloning site Green=Tags(s)

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MRAPPARALLLPRRGPAVRAWAPAVSSRTLWASEWTPLVRAWTSLIHEPSPGLRFPVPLSGLPGGVGRW
ATSSGIRRCWVLAGPRAAHPLFARLQGAATGVRDLGNDSQRRPATTGRSEVWKLGLVRPERGRLSAAV
GFLAVSSVITMSAPFFLGKIIDVIYTNPTEDFGDSLTRLCAGLTCVFLCGAAANSIRVYLMQSSGQSIYN
RLRTSLFSSILRQEVAFDKTRTGELINRLSSDTALLGHSVTENLSDGLRAVAQASVGVGMFFVSPSLA
TFVLSVVPPIISVLAVIYGRYLRLKSKATQDSLAEATQLAEERIGNIRTIRAFGKEMTEVEKYTSRVDQLL
QLARKEALARAGFFGAAGLSGNLIVLSVLYKGGLLLSTHMTVGELSSFLMYAFWVGLSIGGLSSFYSQL
MKGLGAGGRLWELLERQPRLPFNEGIVLDEKTFQGALEFRNVHFTYPARPEVSFVQDFSLSPSGSVTAL
VGPSGSGKSTVVSLLRLYDPSSGTVSLDGHDIRQLNPVWLRSKIGTVSQEPVLFSCSVAENIAYGADNL
SSVTARQVERAAEVANAAEFIRSFQGFDTVVGEKGVLLSGGQKQRIAIARALLKNPKILLLDEATSALD
AENEHLVQEALDRLMEGRVLI IAHLRSTIKNANFVAVLNQGKICEHGTHEELLKPNGLYRKL MNKQSL
LLHNGAEQFLEPAQA
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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_001012166

ORF Size: 2145 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_001012166.1](#), [NP_001012166.1](#)

RefSeq Size: 3460 bp

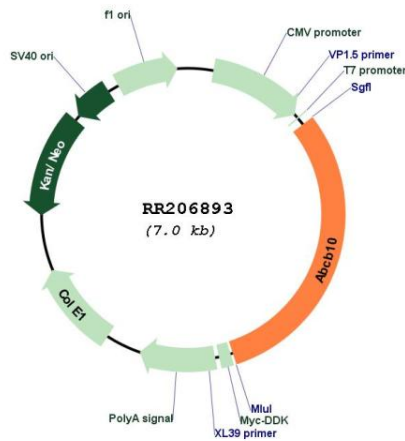
RefSeq ORF: 2148 bp

Locus ID: 361439

Cytogenetics: 19q12

MW: 77.4 kDa

Product images:



Circular map for RR206893