

Product datasheet for **RR206179**

Abcf2 (NM_001109666) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abcf2 (NM_001109666) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abcf2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206179 representing NM_001109666
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGCTCTATGAACGGTTGGAAGAGCTGGATGCTGACAAAGCTGAGATGAGGGCCTCAAGGATCTTAC
ACGGATTGGGTTTCACACCTGCCATGCAGCGCAAGAAGCTGAAAGACTTCAGTGGTGGCTGGCGGATGAG
AGTTGCTCTTGCTAGAGCCCTCTTCATTGGCCCTTCATGCTGCTGGACGAGCTACCAACACCTG
GACCTGGATGCTTGCCTGGCTGGAAGAGGAAGCTCAAGACTTTCAAGCGTATCCTGGTCTTGTGTCC
ATTCAGGACTTCTGAATGGGGTCTGCACCAATATCATCCACATGCACAACAAGAACTGAAAGTACTA
CACGGTAATTATGATCAGTATGTGAAGACACGGCTGGAGCTGGAAGAGAACCAGATGAAGAGTTTTCAC
TGGGAGCAGGACCAGATAGCACACATGAAGAACTACATTGCCAGGTTTGGCCATGGCAGTGCCAAGCTGG
CCCGGCAGGCTCAAAGCAAAGAGAAAACACTACAGAAAATGATGGCATCCGGACTGACAGAAAGGGTTGT
GAGTGACAAGACGCTATCATTTTATTTCCACCGTGTGGTAAGATCCCACCCTGTCATTATGGTGCAG
AACGTGAGCTTCAAGTATACAAAAGACGGGCTTGCATCTACAATAATCTAGAATTTGGCATTGACCTTG
ACACACGAGTGGCTCTGGTAGGGCCCAACGGAGCAGGGAAGTCCACTCTGTTGAAGCTGCTAACTGGAGA
GCTTCTGCCTACAGATGGAATGATCCGGAAGCATTCTCATGTCAAGATAGGGCGTTACCATCAGCACTTA
CAGGAGCAGCTGGACCTGGACCTTTCCCTTTGGAGTACATGATGAAGTGTACCCAGAGATCAAGGAGA
AGGAGGAAATGAGGAAGATCATTGGGAGATATGGCCTCACTGGGAAACAGCAGGTGAGCCCAATCCGGAA
CCTGTCAGATGGGAGAAAGTGGCAGTGTGCTGGCCTGGCTGGCAGAAATCCGCACATGCTCTTT
CTGGACGAGCCTACCAATCACCTGGACATCGAGACCATTGATGCTCTGGCAGATGCCATCAATGAGTTTCG
AGGGTGGCATGATGCTCGTCAGCCATGACTTCAGACTCATCCAGCAGGTTGCACAGGAGATTTGGGCTCG
TGAGAAGCAGACAATACCAAGTGGCCTGGAGACATCTAGCCTACAAGGAGCACCTCAAGTCCAAGCTG
GTGGATGAGGAGCCCCAGCTCACCAAGAGGACCCACAACGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206179 representing NM_001109666
Red=Cloning site Green=Tags(s)

MELYERLEELDADKAEMRASRILHGLGFTPAMQRKCLKDFSGGWRMRVALARALFIRPFMLLLDEPTNHL
 DLDACVWLEELKTFKRILVLSHSQDFLNGVCTNI IHMHNKLLKYTGNYDQYVKTRELEENQMKRFH
 WEQDQIAHMKNYIARFGHGSAKLARQAQSKEKTLQKMMASGLTERVVSDKTL SFYFPPCGKIPPPVIMVQ
 NVSFKYTKDGPCIYNNLEFGIDLDRVALVGPNGAGKSTLLKLLTGELLPTDGMIRKHSVKIGRYHQHL
 QEQLDLSPLEYMKCYPEIKEKEEMRKIIIGRYGLTGKQQVSPIRNLSGQKCRVCLAWLAWQNPMLF
 LDEPTNHLDIETIDALADAINFEFGMMLVSHDFRLIQVVAQEIWVCEKQITITKWPGDILAYKEHLKSKL
 VDEEPQLTKRTHNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

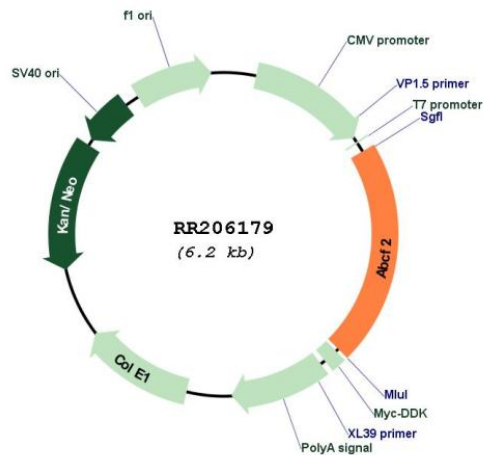
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001109666
ORF Size:	1302 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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:	<u>NM_001109666.1, NP_001103136.1</u>
RefSeq Size:	2573 bp
RefSeq ORF:	1305 bp
Locus ID:	311959
Cytogenetics:	4q11
MW:	50.3 kDa