

Product datasheet for RC231486

ABCC10 (NM_001198934) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC10 (NM_001198934) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCC10
Synonyms:	EST182763; MRP7; SIMRP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231486 representing NM_001198934 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGACTTCTGGCCAGCTGTGCGGCAGCAGCGCAGCGTGGCCGCTCCCGCTGTGGGAGGGGACA
CCACAGGCCACTGCTTACCCAGCTGGTGTCTCAGCGCCCTGCCCCACGCGCTCCTCGCCGTGCTCAGTGC
CTGTTACTTGGGCACCCGAGGAGTCCAGATTACATCCTACCCTGCAGTCTGGATGGCCCTCCGACTT
GCAGTTCCTTCTGCTTCCGCTTCCCGCTGTAGACCTTCTCCAGTTGCTTTGCCACCAGGGGCAG
GCCAGGACCCATAGGGCTAGAGGTGTTGGCAGGGTGCCTGGCAGCTGTGGCCTGGATCAGCCACAGCCT
GGCCCTGTGGGTGTTGGCACATTCCTCATGGCCACTCCCGGGTCCCTTGGCCTTGGCCCTGGTAGCC
TTGCTGCCAGCTCCAGCCCTAGTGTGACCGTGTGTGGCATTGCCAGCGAGGCACACTTCTGCCCCAC
TTCTCCAGGGCCATGGCCCGCTATGCTTGCTCATCCTGCAGCTGGCTGCACTCTTGGCCTATGCACT
GGGATGGGCAGCTCCTGGGGACCACGAGAACCCTGGGCTCAGGAGCCCTCCTGCCCGAGGATCAAGAA
CCTGAGGTGGCTGAAGATGGGGAGAGTTGGCTGTACGCTTTTCCATGCTGGCTGGCACCCCTTGTGG
CCCGTGGGGCTGTGGAGAGCTCCGGCAGCCTCAGGACATTTGCCGCTCCCCACAGACTGCAGCCAAC
CTACCTGGCTCGTGTCTCCAGGCACACTGGCAGGAGGGGGCACGGCTGTGGAGGGCCTTGATGGGGCC
TTTGGACGGTGTATCTGGCACTTGGACTGCTGAAGCTGGTGGGACCATGTTGGGATTCTCAGGGCCCC
TGTGTCTCCCTACTGGTGGGCTTCTGGAAGAGGGGCAGGAGCCACTAAGCCACGGCCTGCTCTATGC
TCTGGGGCTAGCCGGTGGGGCTGTGCTGGGTGCTGTGCTGCAGAATCAGTATGGGTATGAGGTATATAAG
GTAACACTTCAGGCACGGGGGGTGTGCTGAACATCCTGTACTGCAAGGCTTTACAGCTGGGGCCAGCC
GCCCTCTACTGGGGAGGCCCTGAACCTACTAGGCACTGACTCTGAACGGCTGCTTAACCTTGTGGGAG
CTTCCATGAAGCCTGGGGCTGCCCTGCAACTGGCCATACCCTCTACCTGCTGTACCAGCAGGTAGGC
GTGGCCTTCGTGGGTGGTCTCATCTTGGCACTGCTGCTGGTACCCGTCAACAAAGTATTGCCACCCGCA
TCATGGCCAGCAACCAGAAATGCTACAGCACAAGGATGCGCGGGTTAAGCTTGTGACAGAGCTGCTGAG
TGGCATTCCGGTCATCAAGTTCTGCGGGTGGGAGCAGGCACTGGGAGCCCGAGTAGAGCCCTGCCGGCT



[View online >](#)

CGAGAGCTGGGGCGACTCCGGGTCATCAAATACCTGGATGCGGCCTGTGTATACCTGTGGGCTGCCCTAC
CGGTTGTCATCTCCATCGTTATCTTTCATCACCTATGTCCTCATGGGGCACCAGCTCACTGCCACCAAGGT
GTTACGGCCCTGGCACTGGTGCGAATGCTCATTCTTCTCTCAACAACCTCCCTTGGGTGATCAATGGT
CTCCTGGAGGCCAAAGTGTCTTGGACCGGATCCAGCTTTTCTCGACCTTCAAACCACAACCCCCAGG
CCTACTACAGCCAGATCCCCCTGCAGAGCCATCTACAGTATTGGAGCTGCATGGAGCCTTGTCTCCTG
GGACCCAGTTGGAACAGCCTGGAGACCTTCATCAGTCATCTCGAAGTAAAAAGGGTATGCTGGTGGGC
ATCGTGGGAAGGTGCGCTGTGGGAAGAGCTCCCTGCTGGCTGCCATCGTGGAGAGCTCCACAGGCTGC
GTGGGCATGTGGCAGTGCGGGGGCTGTCCAAGGGCTTTGGCCTGGCCACCCAGGAACCCCTGGATCCAGTT
TGCCACCATCCGAGACAACATCCTCTTTGGGAAGACATTTGATGCACAGCTGTACAAGGAGGTGCTAGAA
GCCTGCGCCCTCAATGATGACCTCAGTATCCTGCCTGCTGGAGACCAGACAGAGGTGGGGGAGAAGGGTG
TCACCCTTAGCGGAGGACAGCGTGCCCGGATTGCCCTTGTCTGTCTACCAGGAAAAGGAGCTCTA
TCTCTCGATGACCCCTGGCCGCTGTGGATGCAGATGTGGCCAACCACCTGCTGCACAGGTGCATCCTG
GGCATGCTGAGCTACACCACACGGCTGCTGCAACCACCGACTGAGTACCTGGAGAGGGCTGACGCGG
TGCTGCTGATGGAGGCCGGCGCCTCATCCGGCTGGACCTCCCTCTGAGATTCTGCCACTGGTACAAGC
TGTCCCCAAAGCCTGGGCTGAGAATGGACAAGAGTCTGACTCAGCCACAGCCAGTCAGTACAGAACCCA
GAGAAAACAAAGGAGGGGCTGGAGGAGGAGCAGAGCACATCTGGTCGCTGCTGCAGGAAGAAAGCAAGA
AGGAGGGCGCCGTTGGCCTTGACGTGTACCAAGCTTACTGGAAGGCCGTGGGCCAGGGCTTGGCCTTAGC
CATCCTCTTCTCTGCTTCTCATGCAAGCCACGCGGAACGCTGCTGACTGGTGGCTCTCCCACTGGATC
TCTCAGCTGAAGGCTGAGAATAGCTCCCAGGAGGCGCAACCCCTCCACCAGCCAGCTTCTATGGGGCTCT
TCTCTCCGAGCTGCTCCTCTTTTCCCCTGAAACCTCTACATCCAGTGTTCCTCACTGCCCAAAGCTGC
CCCCAATGGCTCCTCAGACATCCGTTTCTACCTACCCTGTATGCGACCATGCTGGTGTAAATTCCTC
TGCACCTTCTCCGGCAGTGTCTTTGCAAGCAGCACCCTTCAAGCAGCTGCCACTCTGCATCGCCGCG
TGCTCATCGAGTCTTATGGCACCAGTACTTCTTCAATGCCACACCCAGGGCCGGTCTCTAAACCG
CTTCTCCTCTGATGTGGCCTGTGCGGATGACAGCCTGCCCTTCTCCTCAACATCCTCTGGCCAACGCG
GCAGGCCTGCTGGGGCTCCTGGCCGTGCTGGGCTCTGGCCTGCCCTGGCTGCTGCTCCTGCTGCCGCTT
TGAGCATCATGTACTATCACGTGCAGCGCCACTACAGGGCCTCCTCACGGGAGCTGCGGCGCTGGGCAG
CCTCACCTGTCTCCACTGTATAGCCATCTGGCCGATACCTTGGCTGGCCTCTCTGTGCTCCGGCCACA
GGGGCCACCTACAGGTTTGGAGGAGAACTGCGACTCCTTGGCTAAACCAGAGGTGCCAGTTTGCCA
CCAGTGCCACAATGCAGTGGCTGGACATTCGGCTACAGCTCATGGGGCGGCAGTGGTACGCGCTATCGC
AGGCATCGCTCTGGTGCAGCACCAGCGGCTCGCTAACCAGGGCTGGTGGGCTTGTGCTGTCTTAT
GCCCTGTCCCTGACGGGCTGCTCTCGGCCTGGTGGAGCTTACACACAGACAGAGCCATGCTGGTGA
GGTTCGAGCGGCTGGAAGAGTACACCTGTGACCTGCCCCAGGAACCCAGGGCCAGCCACTGCAGCTGGG
CACCGGCTGGCTGACCCAGGGGGCGTGGAGTTCCAGGACGTGGTGTGGCGTACCGGCCAGGGCTGCCG
AATGCCCTGGATGGAGTGACCTTCTGCGTGCAGCCTGGAGAGAAGTTGGGCATCGTGGGCGCCACAGGCT
CCGGCAAGTCTTCCCTGTTGTTGGTGTCTTCCGGCTGCTAGAGCCAGTTTACAGGGCAGTGTGCTGGA
CGGCGTGGACACCAGCCAGCTGGAGCTGGCCAGCTCAGATCCCAGTTGGCTATCATCCCCAGGAGCCC
TTTTTGTTCAGTGGGACTGTTCCGGAAAACCTGGACCCCAAGGGCCTACATAAGGACAGGGCCTTGTGGC
AGGGCCGAAGCAGTGCCACCTGAGTGGGTGATTACATCCATGGGTGGTCTGGATGGTGGAGCTGGTGA
AAGATCCTGTGTATCGATGAGGCCACAGCAAGTGTGGACCAGAAGACAGACCAGCTGCTCAGCAGACCA
TCTGCAAACGCTTTGCCAACAAGACAGTGTGACCATTGCCCATAGGCTCAACACGATCCTGAACTCAGA
CCGGGTGCTGGTGTACAAGCGGGGAGAGTGGTAGAGCTGGACTCCCCGGCCACCCTGCGCAACCAGCCC
CACTCCTGTTCCAGCAGCTGCTGCAGAGCAGCCAGCAGGGAGTCCCTGCCTCACTCGGAGGTCCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231486 representing NM_001198934
 Red=Cloning site Green=Tags(s)

```
MERLLAQLCGSSAAWPLPLWEGDTHGCHFTQLVLSALPHALLAVLSACYLGTSPSPDYILPCSPGWRLRL
AASFLLSVFPLDLLPVALPPGAGPGPIGLEVLAGCVAVAWISHSLALWVLAHSPHGHRSRGLALALVA
LLPAPALVLTVLWHCQRGTLPLPPLPGPMARCLLLILQLAALLAYALGWAAPGGPREPWAQEP LLPEDQE
PEVAEDGESWLSRF SYAWLAPLLARGACGELRQPQDICRLPHRLQPTYLARVFQAHWQEGARLWRALYGA
FGRCYLALGLLKLVGTMLGFSGPLLLSLLVGFLEEGQEPLSHGLLYALGLAGGAVLGAVLQNYQYGYEVYK
VTLQARGAVLNILYCKALQLGSPRPPTGEALNLLGTDSERLNFGSFHEAWGLPLQLAITLYLLYQQVG
VAFVGGILALLLVPNKVIATRIMASNQEMLQHKDARVKLVTELLSGIRVIKFCGWEQALGARVEACRA
RELGRLRVIKYLDAACVYLWAALPVVISIVIFITYVLMGHQLTATKVFTALALVRMLILPLNFPWING
LLEAKVSLDRIQLFLDLPNHPQAYYSPDPPAEPSTVLELHGALFSWDPVGTSLFTFISHLEVKKGMLVG
IVGKVGCGKSSLLAAIAGELHRLRGHVAVRGLSKGFGLATQEPWIQFATIRDNILFGKTFDAQLYKEVLE
ACALNDL SILPAGDQTEVGEKGVTLGGQRARIALARAVYQEKELYLLDDPLAAVDADVANHLLHRCIL
GMLSYTTRLLCTHRTEYLERADAVLLMEAGRLIRAGPPSEILPLVQAVPKAWAENGQESDSATAQSVQNP
EKTKEGLEEEQSTSGRLLQEESKKEGAVALHVVQAYWKAVGQGLALAILFSLLLMQATRNAADWLLSHWI
SQLKAENSSQEAQPSTSPASMGFLFSPQLLLFSPGNLYIPVFPLPKAAPNGSSDIRFVLYVYATIAGVNSL
CTLLRAVLF AAGTLQAAATLHRRLLHRVLMAPVTFFNATPTGRILNRFSSDVACADDSLPIFNILLANA
AGLLGLLAVLGSGLPWL LLLPPLSIMYHYVQRHYRASSRELRRLLGSLTSLPLYSHLADTLAGLSVLRAT
GATYRFEENLRLELNQRCQFATSATMQWLDIRLQLMGAAVVSAIAGIALVQHQQGLANPGLVGLSLSY
ALSLTGLL SGLVSSFTQTEAMLVSVERLEEYTCDLQPQPQGLQLGTGWL TGGVEFQDVVLA YRPLP
NALDGVTF CVQPGEKLGIVGRTGSGKSSLLLVFRLLEPSSGRVLLDGVDT SQLELAQLRSQLAIIPQEP
FLFSGTVRENLDPQGLHKDRALWQALKQCHLSEVITSMGGLDGELGEGGRSLSLGQRQLLCLARALLTDA
KILCIDEATASVDQKTDQLLQQTICKRFANKTVL TIAHRLNTILNSDRVLVLQAGRVVELDSPATLRNQP
HSLFQQLLQSSQGV PASLGGP
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1744_d10.zip

Restriction Sites: SgfI-MluI

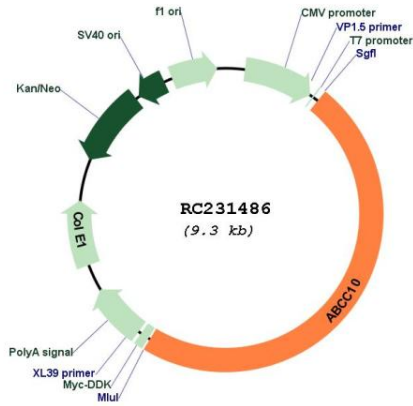
Cloning Scheme:



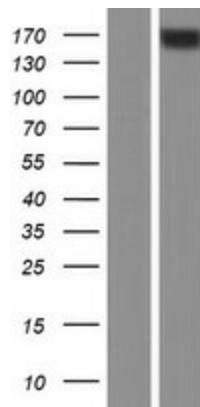
ACCN: NM_001198934

ORF Size:	4476 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:	<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:	NM_001198934.2
RefSeq ORF:	4479 bp
Locus ID:	89845
UniProt ID:	Q5T3U5
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	162.1 kDa
Gene Summary:	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This ABC full-transporter is a member of the MRP subfamily which is involved in multi-drug resistance. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2010]

Product images:



Circular map for RC231486



Western blot validation of overexpression lysate (Cat# [LY434484]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231486 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).