

Product datasheet for **RC221127**

ABCB9 (NM_019624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB9 (NM_019624) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCB9
Synonyms:	EST122234; TAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221127 representing NM_019624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGCTGTGGAAGCGGTGGTGGTGACTTTGGCCTTCATGAGTGTGGACATCTGCGTGACCACGGCCA
 TCTATGTCTTCAGCCACCTGGACCGCAGCCTCCTGGAGGACATCCGCCACTTCAACATCTTTGACTCGGT
 GCTGGATCTCTGGGCAGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGAGCCACCATTGGTGTGGCCAAG
 AACAGTGCCTGGGGCCCCGGCGCTGCGGGCCTCGTGGTGGTGCATCACCCTCGTGTGCCTCTTCGTGG
 GCATCTATGCCATGGTGAAGCTGCTGCTTCTCAGAGGTGCGCAGGCCCATCCGGGACCCTGGTTTTG
 GGCCCTGTTGCTGGACGTACATTTCACTCGGCGCATCCTTCTGCTCTGGTGGCTGCTGTCCACCGTG
 CGGCCAGGCACCCAGGCCCTGGAGCCAGGGCGGCCACCGAGGCTGAGGGCTTCCCTGGGAGCGGCCGGC
 CACCGCCGAGCAGGCGTCTGGGGCCACGCTGCAGAAGCTGCTCTCTACACCAAGCCCGACGTGGCCTT
 CCTCGTGGCCGCTCCTTCTTCTCATCGTGGCAGCTCTGGGAGAGACCTTCTGCCCTACTACACGGGC
 CGCGCCATTGATGGCATCGTCATCCAGAAAAGCATGGATCAGTTCAGCACGGCTGTGTCATCGTGTGCC
 TGCTGGCCATTGGCAGCTCATTTGCCGAGGATTCGGGGCGGCATTTTTACCCTCATATTTGCCAGACT
 GAACATTCGCCTTCGAACTGTCTCTCCGCTCACTGGTGTCCCAGGAGACAAGCTTCTTTGATGAGAAC
 CGCACAGGGGACCTCATCTCCGCTGACCTCGGACACCACCATGGTCAGCGACCTGGTCTCCGAGAACA
 TCAATGTCTTCTGCGGAACACAGTCAAGGTCACGGGCGTGGTGGTCTTCATGTTACGCCTCTCATGGCA
 GCTCTCCTTGGTACCTTCATGGGCTTCCCATCATCATGATGGTGTCCAACATCTACGGCAAGTACTAC
 AAGAGGCTCTCCAAGAGGTCCAGAATGCCCTGGCCAGAGCGAGCAACACGGCGGAGGAGACCATCAGTG
 CCATGAAGACTGTCCGGAGCTTCGCCAATGAGGAGGAGGAGGCAGAGGTGTACCTGCGGAAGCTGCAGCA
 GGTGTACAAGCTGAACAGGAAGGAGGCAGCTGCCTACATGTAACGTCTGGGGCAGCGGGTCCGTGGGC
 TCCGTCTACAGTGGCCTGATGCAGGAGTGGGGCTGCTGAGAAGGTGTTGAGTTCATCGACCGGCAGC
 CGACCATGGTGCACGATGGCAGCTTGGCCCCGACCACCTGGAGGGCCGGGTGGACTTTGAGAATGTGAC
 CTTACCTACCGCACTCGGCCCCACACCAGGTCTGCAGAATGTCTCCTTACGCCTGTCCCCGGCAAG
 GTGACGGCCCTGGTGGGGCCCTCGGGCAGTGGGAAGAGCTCCTGTGTCAACATCTGGAGAACTTCTACC
 CCCTGGAGGGGGCCGGGTGCTGCTGGACGGCAAGCCCATCAGCGCTACGACCACAAGTACTTGCACCG
 TGTGATCTCCCTGGTGAAGCAGGAGCCCGTGTGTTCCCGGCTCCATCACGGATAACATCTCCTACGGC
 CTGCCACTGTGCCTTTTCGAGATGGTGGTGGAGGCCGCACAGAAGCCAATGCCACGGCTTCATCATGG
 AACTCCAGGACGGCTACAGCACAGAGACAGGGGAGAAGGGCGCCAGCTGTGAGGTGGCCAGAAGCAGCG
 GGTGGCCATGGCCCGGGCTCTGGTGCAGAACCCCCAGTCTCATCTGGATGAAGCCACCAGCGCTTTG
 GATGCCGAGAGCGAGTATCTGATCCAGCAGGCCATCCATGGCAACCTGCAGAAGCACACGGTACTCATCA
 TCGCGCACCGGCTGAGCACCGTGGAGCACGCGCACCTCATTGTGGTGTGGACAAGGGCCGCGTAGTGCA
 GCAGGGCACCCACCAGCAGCTGCTGGCCAGGGCGGCCTTACGCCAAGCTGGTGCAGCGGCAGATGCTG
 GGGCTTACGCCCGCCGAGACTTACAGCTGGCCACAACGAGCCTGTAGCCAACGGCAGTCACAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221127 representing NM_019624
 Red=Cloning site Green=Tags(s)

MRLWKAVVTLAFMSVDICVTTAIYVFSHLDRSLLEDIRHFNIFDSVLDLWAACLYRSCLLLGATIGVAK
 NSALGPRRLRASWLVITLVCLFVGIYAMVKLLLFSEVRRPIRDPWFALFVWTYISLGASFLWLLSTV
 RPGTQALEPGAATEAEGFPGSGRPPPEQASGATLQKLLSYTKPDVAFLVAASFFLIVAALGETFLPYTG
 RAIDGIVIQKSMDFSTAVVIVCLLAIGSSFAAGIRGGIFTLIFARLNIRLRNCLFRSLVSQETSFFDEN
 RTGDLISRLTSDTTMVSIDLVSQINIVFLRNTVKVTGVVVFMSLSWQLSLVTFMGFPIIMMVSNIYGKYY
 KRLSKEVQNALARASNTAEETISAMKTVRSFANEEEEAEVYLRKLQQVYKLNKKEAAAYMYVWGSVSG
 SVYSGLMQGVGAAEKVFEFIDRQPTMVHDGSLAPDHLEGRVDFENVFTTYRTRPHTQVLQNVFSLSPGK
 VTALVGPSSGSKSSCVNILENFYLEGGRVLLDGKPI SAYDHKYLHRVISLSVQEPVLFARSITDNI SYG
 LPTVPFEMVVEAAQKANAHGFIMELQDGYSTETGEKGAQLSGGQKQRVAMARALVRNPPVLIILDEATSAL
 DAESEYL IQQAIHGNLQKHTVLI IAHRLSTVEHAHLIVVLDKGRVVQQGTHOQLLAQGGLYAKLVQRQML
 GLQPAADF TAGHNEPVANGSHKA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019624

ORF Size: 2169 bp

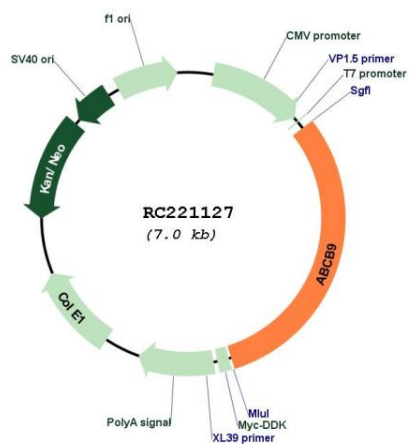
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_019624.3</u> , <u>NP_062570.1</u>
RefSeq Size:	3417 bp
RefSeq ORF:	2172 bp
Locus ID:	23457
UniProt ID:	<u>Q9NP78</u>
Cytogenetics:	12q24.31
Domains:	ABC_membrane, ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters, Lysosome
MW:	79.8 kDa
Gene Summary:	<p>The membrane-associated 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, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This family member functions in the translocation of peptides from the cytosol into the lysosomal lumen. Alternative splicing of this gene results in distinct isoforms which are likely to have different substrate specificities. [provided by RefSeq, Jul 2011]</p>

Product images:



Circular map for RC221127