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Product datasheet for MR210524

Abcb9 (NM_019875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb9 (NM_019875) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abcb9
Synonyms:	mKIAA1520; TAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210524 representing NM_019875
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTGTGGAAGGCGGTAGTAGTGACGCTGGCCTTCGTGAGCACGGACGTCGGGGTGACCACGGCCA
TCTACGCCTTCAGCCACCTGGACCGTAGCCTGCTGGAGGACATCCGACACTTTAACATCTTCGACTCGGT
GCTGGACCTCTGGGCTGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGGGCTACCATAGGCGTGGCCAAG
AACAGCGCTCTGGGGCCAAGGCGCCTGCGGGCTTCGTGGCTCGTCATCACCCTCGTGTGCCTCTTTGTGG
GCATCTATGCCATGGCCAAACTGCTACTCTTCTCAGAAGTGCGCAGGCCCATCCGGGACCCATGGTTCTG
GGCGCTCTTCGTGTGGACCTACATCTCGCTGGCTGCCTCCTTCCTGCTGTGGGGGCTGCTGGCCACTGTG
CGGCCGGACGCAGAGGCCCTGGAGCCAGGGAATGAGGGCTTCCACGGGGAGGGTGGGGCCCCTGCTGAGC
AGGCATCGGGAGCCACACTACAGAAGCTGTTGTCCTACACAAAGCCTGACGTGGCCTTCCTAGTAGCTGC
CTCCTTTTTCCTCATCGTAGCAGCTCTGGGTGAGACCTTCCTGCCCTACTACACTGGCCGGGCCATTGAC
AGCATTGTGATCCAGAAAAGCATGGATCAGTTCACCACAGCCGTTGTCGTCGTTTGCCTGCTGGCCATCG
GCAGCTCATTGGCCGCAGGTATTCGGGGCGGTATTTTCACCCTCGTATTTGCCAGACTGAACATTCGCCT
CCGGAACTGTCTCTTCCGCTCACTGGTGTCACAGGAGACAAGCTTCTTTGATGAGAACCGCACAGGGGAC
CTCATCTCCCGCCTCACCTCTGATACCACCATGGTCAGCGACCTGGTCTCCCAGAACATCAACATCTTCC
TGAGGAACACGGTCAAAGTCACGGGCGTGGTGGTCTTCATGTTCAGCCTCTCCTGGCAGCTTTCCCTGGT
CACCTTCATGGGCTTCCCTATCATCATGATGGTGTCCAACATCTACGGCAAGTACTACAAGAGGCTCTCC
AAGGAGGTCCAGAGCGCCCTGGCCAGAGCCAGCACCACAGCCGAGGAAACCATCAGCGCGATGAAGACGG
TGCGCAGCTTTGCCAACGAGGAGGAGGAGGCCGAGGTGTTCCTGCGGAAGCTTCAGCAGGTGTACAAGCT
CAACAGGAAGGAAGCAGCGGCCTACATGTCCTACGTCTGGGGCAGCGGGCTCACACTCCTGGTGGTCCAG
GTCAGTATTCTCTACTACGGGGGCCACCTAGTCATCTCGGGGCAGATGAGCAGCGGCAACCTCATCGCCT
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GGGAGTGGGGGCCGCCGAGAAGGTGTTCGAGTTCATCGACCGGCAGCCCACCATGGTGCATGACGGAAGC
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ACACACAGGTCCTACAGAATGTCTCCTTCAGCCTGTCCCCCGGCAAGGTGACAGCTCTGGTGGGGCCGTC
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TTGGATGGCAAGCCCATTGGCGCCTATGACCACAAGTACCTGCATCGTGTGATCTCACTGGTGAGCCAGG
AGCCCGTGCTGTTCGCCCGCTCCATCACAGACAACATCTCCTACGGCCTGCCTACCGTGCCCTTCGAGAT
GGTGGTGGAGGCTGCACAGAAGGCCAATGCCCATGGCTTCATCATGGAACTGCAGGACGGGTACAGCACA
GAGACCGGGGAGAAGGGAGCCCAGCTGTCAGGTGGGCAGAAGCAGCGGGTGGCCATGGCCCGAGCACTTG
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TCAGCAGGCCATCCACGGCAACCTGCAGAGACACACGGTGCTCATCATTGCACACCGGCTGAGCACCGTG
GAGCGGGCACACCTCATCGTGGTGCTGGACAAGGGCCGGGTGGTACAGCAGGGCACACACCAGCAGCTGT
TGGCACAGGGCGGCCTCTATGCCAAGCTGGTGCAGCGTCAGATGTTGGGGCTCGAGCACCCCTTGGACTA
CACAGCCAGCCACAAGGAGCCACCCAGCAACACTGAACACAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210524 representing NM_019875
Red=Cloning site Green=Tags(s)

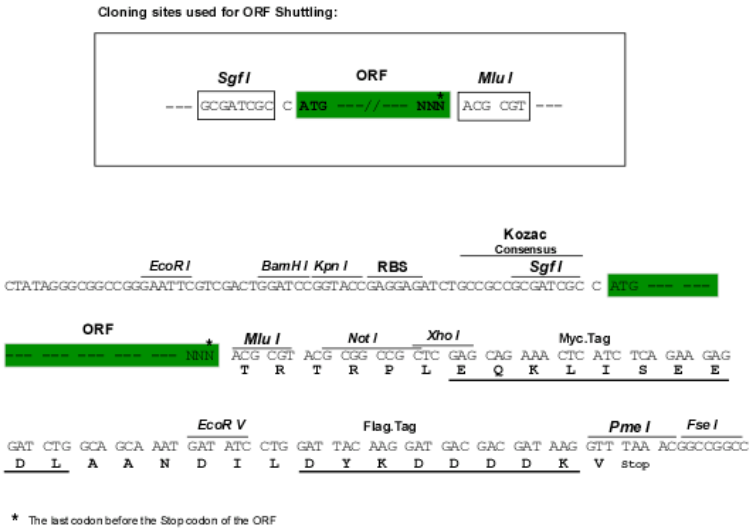
MRLWKAVVVTLAFVSTDVGVTTAIYAFSHLDRSLLEDIRHFNIFDSVLDLWAACLYRSCLLLGATIGVAK
NSALGPRRLRASWLVITLVCLFVGIYAMAKLLLFSEVRRPIRDPWFWALFVWTYISLAASFLLWGLLATV
RPDAEALEPGNEGFHGEGGAPAEQASGATLQKLLSYTKPDVAFLVAASFFLIVAALGETFLPYYTGRAID
SIVIQKSMDQFTTAVVVVCLLAIGSSLAAGIRGGIFTLVFARLNIRLRNCLFRSLVSQETSFFDENRTGD
LISRLTSDTTMVSDLVSQNINIFLRNTVKVTGVVVFMFSLSWQLSLVTFMGFPIIMMVSNIYGKYYKRLS
KEVQSALARASTTAEETISAMKTVRSFANEEEEAEVFLRKLQQVYKLNRKEAAAYMSYVWGSGLTLLVVQ
VSILYYGGHLVISGQMSSGNLIAFIIYEFVLGDCMESVGSVYSGLMQGVGAAEKVFEFIDRQPTMVHDGS
LAPDHLEGRVDFENVTFTYRTRPHTQVLQNVSFSLSPGKVTALVGPSGSGKSSCVNILENFYPLQGGRVL
LDGKPIGAYDHKYLHRVISLVSQEPVLFARSITDNISYGLPTVPFEMVVEAAQKANAHGFIMELQDGYST
ETGEKGAQLSGGQKQRVAMARALVRNPPVLILDEATSALDAESEYLIQQAIHGNLQRHTVLIIAHRLSTV
ERAHLIVVLDKGRVVQQGTHQQLLAQGGLYAKLVQRQMLGLEHPLDYTASHKEPPSNTEHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019875

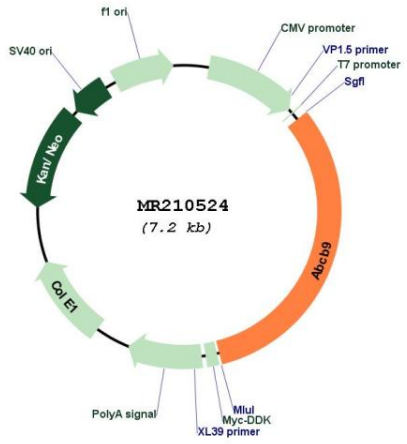
ORF Size: 2286 bp

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_019875.2, NP_063928.2
RefSeq Size:	3334 bp
RefSeq ORF:	2289 bp
Locus ID:	56325
UniProt ID:	Q9JJ59
Cytogenetics:	5 F
MW:	84.4 kDa
Gene Summary:	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. The function of this half-transporter has not yet been determined; however, it may be associated with lysosome activity. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR210524