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Product datasheet for SC324064

ABCB10 (NM_012089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB10 (NM_012089) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB10
Synonyms:	EST20237; M-ABC2; MTABC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_012089 edited
GGCCGGCGGGCTGAGGCGTACGGGTCGCACGCAGCGCCATGCGAGGCCCCCCTGCCTGGC
CGCTGCGGCTGCTCGAGCCACCGAGCCCTGCCGAGCCAGGTCGGCTCCTGCCGGTAGCCT
GCGTGTGGGCCGCGGCCAGCCGCGTTCCCGGGTCCCTATCGCCGTTCACTGGCCTGAGGC
CGGCGCGGCTATGGGGCGCGGGGCCCGCGCTGCTCTGGGGCGTTGGAGCCGCGCGCCGCT
GGAGGAGCGGCTGCCGGGGCGGGGGTCCGGGCGCCTCGCGGGGCGTCCTGGGCCTCGCGC
GGCTCCTGGGGCTGTGGGCTCGCGGCCCCGGCAGCTGCAGGTGCGGGGCTTTTGCCGGGC
CAGGCGCTCCTCGGCTCCCGCGCGCCCGGTTCCCGGGCGGTCCCGCAGCCGCTGCCTGGG
CAGGGGACGAGGCCTGGCGGCGCGGGCCGGCGGCGCCTCCCGGGGACAAGGGGCGGCTGC
GCCCCGCAGCGGCCGGACTCCCGGAGGCCCGGAAGCTCCTGGGGCTGGCGTACCCTGAGC
GCCGGAGGCTGGCAGCTGCGGTTGGATTTCTCACGATGTCCAGTGTTATCTCCATGTCTG
CCCCTTTCTTCCTGGGGAAGATCATTGATGTCATCTATACCAACCCCACTGTGGACTACA
GCGACAACCTGACCCGCCTCTGCCTAGGGCTCAGTGCCGTGTTTCTGTGTGGTGCTGCCG
CCAATGCCATTCGTGTCTACCTCATGCAAACTTCAGGTCAGCGCATTGTGAATAGGCTGA
GAACTTCATTATTCTCCTCCATTCTGAGGCAGGAGGTTGCTTTCTTTGACAAGACTCGCA
CAGGAGAATTGATTAACCGCCTCTCATCAGACACTGCACTCCTGGGGCGCTCAGTGACTG
AAAACCTCTCAGATGGGCTCAGGGCCGGGGCCCAGGCTTCTGTAGGCATCAGTATGATGT
TTTTTGTCTCACCTAATCTGGCCACCTTTGTTTTGAGCGTGGTGCCTCCAGTGTCAATCA
TTGCTGTAATTTATGGGCGATATCTACGGAAACTGACCAAAGTCACTCAGGATTCCCTGG
CACAAGCCACTCAGCTAGCTGAGGAACGTATTGGAAATGTAAGAACTGTTCGAGCTTTTG
GGAAAGAAATGACTGAAATCGAGAAATATGCCAGCAAAGTGGACCATGTAATGCAGTTAG
CAAGGAAAGAGGCATTCGCCCGGGCTGGTTTCTTTGGAGCAACTGGGCTCTCCGGAAACC
TGATCGTGCTTTCTGTCCTGTACAAAGGAGGGCTGCTGATGGGCAGTGCCCACATGACCG
TGGGTGAACTCTCTTCCTTCCTAATGTATGCTTTCTGGGTTGGAATAAGCATTGGAGGTC
TGAGCTCTTTCTACTCGGAGCTGATGAAAGGACTGGGTGCAGGGGGGCGCCTCTGGGAGC
TCCTGGAGAGAGAGCCCAAGCTGCCTTTTAACGAGGGGGTCATCTTAAATGAGAAAAGCT
TCCAGGGTGCTTTGGAGTTTAAGAACGTGCATTTTGCCTATCCAGCTCGCCCAGAGGTGC

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CCATATTTCAGGATTTCAGCCTTTCCATTCCGTCAGGATCTGTCACGGCACTGGTTGGCC
CAAGTGGTTCTGGCAAATCAACAGTGCTTTCACTCCTGCTGAGGTTGTACGACCCTGCTT
CTGGAACTATTAGTCTTGATGGCCATGACATCCGTCAGCTAAACCCAGTGTGGCTGAGAT
CCAAAATTGGGACAGTGAGTCAGGAACCCATTTTGTTTTCTTGCTCTATTGCTGAGAACA
TTGCTTATGGTGCTGATGACCCTTCCTCTGTGACCGCTGAGGAAATCCAGAGAGTGGCTG
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GAGAAAAGGGTGTTCTCCTCTCAGGTGGGCAGAAACAGCGGATTGCGATTGCCCGTGCTC
TGCTAAAGAATCCCAAAATTCTTCTCCTAGATGAAGCAACCAGTGCGCTGGATGCCGAAA
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TTGCCCATCGTCTGTCCACCATTAAGAATGCTAATATGGTTGCTGTTCTTGACCAAGGAA
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CCATATATCAAGTTATTTGAAAAATACCTATTTTTTTCCAAAGTGTGTAAAAGATTGTTT
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CAAATGACAACTTTAAAAAGGCAATTATAAATAAAAAGCCTGATTATTTTAGGCCAGTTT
ACCAATCACTGTGTAATTCTTCTGGTAGTATTCTACCTACTTTTAAGTCTAATTTTACAG
ATAGAATAATGGAAATTGAAAATTTAACCCTTTATTCCGATAATCTCATGAAGCAAACCT
AACTATTTAACATCAGCTGGAAAGAAGGGAACATTTATATTGCCCATCTCCTGTGTCTTC
AAAGGTG:TGAGAGCTGAGGAATATGTGTTCCTATGGGAACTATGTTTGAATATGTGCAG
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AGGCATGAACTGCTAGGTATTATTAAGAATGAATGATTTTTGCATTTAAGTTGTTTGAAG
GCATGTATTTTGAAAAATATCTGTTACAAATTTATAATTTCAAGACAAATTGAATCTTAT
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CAGCCTTAAGACATTTAAGTTTGGAAGTCCTTGCTATTCAACAGAATAACAAGAAAACTT
CAGAATGTATCACTCTCCTGAAAAGAAGATATTAATAAGCCCTTTTATTTATGGTTATAG
TTTTATTTATAGTCTCAAAATTCCTAAAGCAATGCTACAACCATTGAATTTGCCATATTT
TGTATCAGTGCTGTTAATTTGCTGTTGCCTCAAGAAAAAGTGCTTTTTCTCCATGGATGA
GGCTAGACCCTAAGAAGTAATTAAGTCAATGTAAATCAAATGGAAGTTTTCCCATGAACT
AAGAATTTATTAGTTCCCTGATTAGACTGGAAGAAGAAACCACTATTTCATGAAAAGCAT
GGAATATTATATTTTATTGTTCATAATTAATGAATAAAATTGATATGAATGAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_012089

Insert Size: 3600 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012089.1, NP_036221.1
RefSeq Size:	3857 bp
RefSeq ORF:	2217 bp
Locus ID:	23456
UniProt ID:	Q9NRK6
Cytogenetics:	1q42.13
Domains:	ABC_membrane, ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
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. The function of this mitochondrial protein is unknown. [provided by RefSeq, Jul 2008]