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Product datasheet for SC122354

ABCC9 (BC033804) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC9 (BC033804) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCC9
Synonyms:	ABC37; ATP-binding cassette, sub-family C (CFTR/MRP), member 9; ATP-binding cassette, sub-family C, member 9; CMD1O; FLJ36852; sulfonylurea receptor 2A; SUR2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

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>OriGene sequence for BC033804 edited
GGGGAAGGTCTCCGGCCCCAGGCGCGGCGCGCGGGGCTTCTGCCCAGTTTCCTGCTTCTC
AGCCGCGGTGTCTGCCCCGGCCCAGAGCAGTCTGTGCAATTTAGAAACTCGATAGGAGGC
AGCAGCTGGTCTCCCACCACCCTAAAAATAATCCGTTCCGGCGCACTGCGTGCTTCGCCT
AGGGGAGGAAAACTGTCATCGGAGAGTTCTGCGTCCGGGTTTGAAATTTACATCTTAAGA
CAGTGTAGGAAGTCGGTGTTTTGAAGGTAGCTCAAGTGCACCGGCAGGGGTTTGAAGCAG
CGTGAAGCTATTGCCCAAGGAAAAGTATTGTTTGTGACCATTGCTAAATCAATTATCAAT
GAAAGGAAAGAAAGAAAAGAGTAAACCATATAAGAAGAAATGAGCCTTTCATTTTGTGGT
AACAACATTTCTTCATATAATATCAACGATGGTGTACTACAAAATTCCTGCTTTGTGGAT
GCCCTCAACCTGGTCCCTCATGTCTTTCTGTTGTTTATCACTTTTCCAATATTGTTTATT
GGGTGGGGGAGCCAAAGCTCAAAAGTACAAATTCACCACAACACATGGCTTCATTTTCCG
GGACATAACCTGAGATGGATTCTTACATTCGCTCTCCTGTTTGTGCATGTCTGTGAAATA
GCAGAAGGCATTGTTTCAGACTCGCGGCGGGAATCAAGGCACCTCCACCTCTTTATGCCA
GCCGTGATGGGATTCGTTGCCACTACAACATCGATAGTGTATTATCATAATATCGAAACA
TCAAATTTTCCTAAATTACTTTTAGGTTTTAGCCATCATGAGAGTAAAAGCTGCTATCAA
CATTCTTAAGTATTTTGTGGCTATATGCATTTATTTCTCCTAGGTAAATACCTAAGAGTG
AAATCTCTGGGTCATACAATAAGTGGGTAAATGTTCATATTTTAAGAAACTGACATCTTT
TCCCAAAATGTTTGTATCATTTTTTATACTCACTAACAAGGTGTAAGAGTTCCAGTTCCA
CATGTTCATCATTTGGTGATCTTGGTCTAATTTAGTCATGCTAGTGGGTGTGTACTGGTA
ATACATTGCGTTTTAATTTGCATTTATCTGATTGCTAATTATGTTGAACACTCTTTGATG
AGTTTATTGGCCATTTTTAATCTTTGGGATGTGGCTATTCATATCTTTTGCCCATGTTTC
ATTGGGTTGCACTTTTATTATTGCGTTGTAGGAATATTTTGTGCATACTAGATATTAGTA
TGTCATCAGTTACATGTTTTGATAATGTTTTCCTTCTAGTCTGTGGCATACATATTCATT
TATTTAATAGGGTCTTTTAATGAGCAGAAGATTTTAAATTTCGATGTAGTATAATTTATC
ATTTCTTCTAGTCCTTAGTTACTGCTTTCTGTGTCTTAAGACATCTTTGTCTTCCCTCTA
AATATGTTTCCCTCTTATTCTCCTGTTTGCTTTTAGATGCTTTATGGTTTCCATTTTTAT
TTTTAGGACTACGATTCTTTCTAAATTAATTGTGTATATGGTGTAAGATAGGTGTCAAAG
TTCTTTTTTTTTTTTCCAAGTGGATATCAATGTGTTCCAGCACCATTTGTGGGATAGACT
TTCTGTTTCTCACGAGATTGCATTGGCACTTATGTAAAAAAAAATAAATCAAATGACTAT
TTAAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC033804 unedited
NNGGTTGCGTGTTTCGGAATATTTGTNAATACGAACNCACTATAGGGNNCGGCCGCGNAA
TTCCCGGGNTGGGGAAGGTCTCCGGCCCCAGCGCGGCGCGCGGGGCTTCTGCCCAGTTTC
CTGCTTCTCAGCCGCGGTGTCTGCCCCGGCCCAGAGCAGTCTGTGCAATTTAGAAACTCG
ATAGGAGGCAGCAGCTGGTCTCCCACCACCCTAAAAATAATCCGTTCCGGCGCACTGCGT
GCTTCGCCTAGGGGAGGAAAACTGTCATCGGAGAGTTCTGCGTCCGGGTTTGAAATTTAC
ATCTTAAGACAGTGTAGGAAGTCGGTGTTTTGAAGGTAGCTCAAGTGCACCGGCAGGGGT
TTGAAGCAGCGTGAAGCTATTGCCCAAGGAAAAGTATTGTTTGTGACCATTGCTAAATCA
ATTATCAATGAAAGGAAAGAAAGAAAAGAGTAAACCATATAAGAAGAAATGAGCCTTTCA
TTTTGTGGTAACAACATTTCTTCATATAATATCAACGATGGTGTACTACAAAATTCCTGC
TTTGTGGATGCCCTCAACCTGGTCCCTCATGTCTTTCTGTTGTTTATCACTTTTCCAATA
TTGTTTATTGGGTGGGGGAGCCAAAGCTCAAAAGTACAAATTCACCACAACACATGGCTT
CATTTTCCGGGACATAACCTGAGATGGATTCTTACATTCGCTCTCCTGTTTGTGCATGTC
TGTGAAATAGCAGAAAGCATTGTTTCAGACTCGCGGCGGGAATCAAGGCACCTCCACCTC
TTTATGCCAGCCGTGATGGGATTCGTTGCCACTACAACATCGATAGTGTATTATCATAAT
ATCGAAACATCAAATTTTCCTAAATTACTTTTTAGTTTTAGCCATCATGAGAGTAAAC
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Restriction Sites: Please inquire

ACCN: BC033804

Insert Size: 1730 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).
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:	BC033804.1, AAH33804.1
RefSeq Size:	1730 bp
RefSeq ORF:	450 bp
Locus ID:	10060
Cytogenetics:	12p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters

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, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is thought to form ATP-sensitive potassium channels in cardiac, skeletal, and vascular and non-vascular smooth muscle. Protein structure suggests a role as the drug-binding channel-modulating subunit of the extra-pancreatic ATP-sensitive potassium channels. Mutations in this gene are associated with cardiomyopathy dilated type 1O. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2011]