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Product datasheet for MC224673

Abcc9 (NM_021041) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc9 (NM_021041) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcc9
Synonyms:	AI414027; AI449286; SU; SUR; Sur2; SUR2A; SUR2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224673 representing NM_021041
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCTTTCTTTTTGTGGGAACAACATCTCCTCCTACAACATCTATTATGGTGTTCTCCAAAACCCCT
GCTTTGTGGACGCACTCAACCTGGTCCCACATGTCTTCCTGCTGTTTATCACCTTTCCAATACTGTTCAT
TGGATGGGGGAGCCAAAGCTCAAAAGTGCAAATTCATCATAACACGTGGCTTCATTTTCCCGGACACAAC
CTGAGATGGATTCTGACGTTTGCGCTCCTGTTTGTGCATGTTTGTGAGATAGCGGAAGGCATCGTTTCAG
ACTCGCATCGGGCGTCCAGGCATCTCCACCTTTTCATGCCGGCTGTGATGGGATTTGTCGCCACAACAAC
GTCCATCGTCTATTATCATAACATTGAAACATCAAATTTCCCTAAATTACTTTTAGCTTTATTCCTGTAC
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ACCTGCGCTTCTGCATCACAGGAGTGATGGTCATCTTGAATGGGCTGCTGATGGCTGTGGAGATCAATGT
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CTGGGCGTGAGGTTCCTCCAGCCATTTGTGAATTTACTGTCCAAAGCTACTTACTGGTGGATGAACACAC
TTATCATATCAGCTCACAGGAAACCTATCGATCTGAAGGCGATTGGAAAGTTGCCGATAGCGATGAGGGC
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TCAGTACTTCATTGCCACGAAGCTGGCGGAGGCTCAGAAGAGCACTCTGGATTATTCCACCGAGAGGTTG
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AAGAAGACGAATGAGATACTGAAGGGCATCAAACTCCTTAAGCTGTACGCCTGGGAGCACATTTTCTGCA
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TCCCTCACCGTGGAATGGATGGGCCTCACAGCCGCCAAGAACCTCCACCACAACCTCCTCAATAAGATAA
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GATGGCTGGAGGTCAGGACGGACTATCTGGGAGCGTGCATTGTTCTGACAGCCTCCATTGCATCCATTAG
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CGAGATCAAGATTCACGATCTGTGTGTCAGATATGAAAATAACCTGAAGCCCGTTCTGAAACATGTCAAG
GCTTACATCAAACCCGGGCAGAAGGTGGGCATCTGTGGTCGAACTGGCAGTGGGAAGTCCTCCTTATCCC
TGGCTTTCTTCAGAATGGTCGACATATTTGACGGAAAGATAGTCATTGATGGGATAGACATCTCCAAACT
GCCCTTGCACACGCTCCGCTCCAGGCTGTCCATCATTCTCCAGGACCCAATCCTGTTCAGCGGCTCCATC
AGGTTTAACCTGGATCCTGAATGCAAGTGCACAGATGACAGGCTCTGGGAGGCTCTAGAAATTGCCCAGC
TGAAGAATATGGTCAAATCTCTGCCCGGAGGCTTAGATGCCACTGTCACCGAAGGTGGTGAGAACTTCAG
TGTTGGACAGAGACAGCTGTTCTGCCTGGCCAGGGCCTTTGTTCGGAAGAGCAGTATACTCATCATGGAT
GAAGCCACTGCTTCCATCGACATGGCCACGGAAAACATTTTGCAGAAAGTAGTCATGACAGCCTTTGCGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021041

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Insert Size:	4641 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:	NM_021041.2, NP_066378.1
RefSeq Size:	7538 bp
RefSeq ORF:	4641 bp
Locus ID:	20928
UniProt ID:	P70170
Cytogenetics:	6 74.35 cM
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 MRP subfamily which is involved in multi-drug resistance. The human 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 extrapancreatic ATP-sensitive potassium channels. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2015] Transcript Variant: This variant (2) represents the longest transcript and encodes isoform b (also known as SUR2A or SUR2-39).

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