

Product datasheet for RN206569

Abcc9 (NM_013040) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc9 (NM_013040) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcc9
Synonyms:	Sur2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206569 representing NM_013040 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCTTTCCTTCTGTGGTAAACAACATCTCCTCCTACAACATCTACCATGGTGTCTCCAAAACCCCT
GCTTTGTGGAGCAGCACTCAACCTGGTCCCTCACGTCTTCTGCTGTTTATCACCTTCCGATCCTGTTTCAT
TGGATGGGGGAGCAAAGCTCAAAGTGCAAATTCATCACAACACATGGCTTCATTTTCTGGACACAAC
CTGAGATGGATTCTGACGTTTGCCTCTGTTTGTGCATGTCTGCGAGATAGCAGAAGGCATTGTTTCAG
ACTCGCAACGGGCGTCCAGGCATCTCCACCTTTTCATGCCGGCTGTGATGGGATTGTGCGCCACCACCAC
ATCCATTGTGATTACCACAACATTGAAACATCAAACCTCCCTAAATTACTTTTAGCTTTATTCTGTGAC
TGGGTCATGGCCTTCATTACAAAGACAATAAAGTTGGTCAAATACTGGCAGTTGGGGTGGGGAAATGTCAG
ACCTGCGCTTCTGCATCACGGGAGTGATGGTCATCTTGAATGGACTGCTGATGGCTGTGGAGATCAATGT
CATCCGGGTCCGAAGATATGTTTTCTTCATGAATCCTCAGAAAGTGAAGCCTCCAGAGGACCTCCAGGAC
CTGGGCGTGAGGTTCTCCAGCCGTTTGTGAATTTGCTGTCAAAGCTACTTACTGGTGGATGAACACGC
TTATCATATCAGCTCACAGGAAACCTATTGATCTGAAGGCGATCGGAAAGTTGCCGATAGCAATGAGGGC
GGTGACGAATTATGTTTGTGTTGAAGGAGGCTACGAAGAGCAGAAGAAAAGGCTGCGGATCATCCGAAT
CGGACTCCCTCCATATGGCTGGCCATGTACAGGGCTTTTGGGAGACCGATCCTGTGAGCAGCACGTTCC
GCTACTTGGCTGACTTGTGGGCTTTGCCGGCCCTCTTTGTATTTCCGGAATCGTCCAGCGTGTGAATGA
ACCGAAGAATAACACGACGAGATTTTTCAGAGACTCTCATCAAAGGAGTTTCTGGAAAATGCCCATGTG
CTGGCTGTCTGCTCTTCTGGCCCTCATCCTGCAAAGAACATTTTTCAGGCTTCGACTATGTGACCA
TAGAGACCGGCATCAACCTGCGTGGGCTCTGCTGGCTATGATCTACAACAAAATCCTTCGACTGTCTAC
TTCTAACCTATCCATGGGCGAGATGACCCTGGGACAGATCAACAACCTGGTTGCCATAGAAACCAATCAG
CTCATGTGTTTCTGTTCTGTGTCCCAATCTGTGGGCCATGCCGTTTCAGATCATAATGGGGGTGATCC
TGCTCTATAATCTGCTTGGGTCAAGCGCACTGGTAGGCGCGGCGTTCATGCTGCTCCTCGACCGATTCA
GTACTTATCGCCACGAAGCTGGCGGAGGCTCAGAAGAGCACTCTGGATTATTCCACCGAGAGGCTGAAG
AAGACAAACGAGATACTGAAAGGCATCAAGCTCCTAAGCTGTATGCCTGGGAGCACATTTTCTGCAAGA



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GCGTGAAGAGACTAGAATGAAGGAGCTCTCCAGCCTCAAACCTTCGCGCTCTACACGTCGCTTCCAT
 CTTTATGAACGCAGCCATTCCCATCGCAGCCGTTCTTGCAACATTTGTGACCCATGCCTATGCCAGTGGC
 AACAACTGAAACCCGCAGAGGCCCTTGGCTCTGTCTCTTCCACATCCTCGTCACACCCGCTTTC
 TGCTGTCCACGGTGGTCAGATTCGCAGTGAAAGCCATCATCAGCGTTTCAAGCTGAATGAGTTTCTTT
 GAGCGATGAGATTGGCGAGGACAGCTGGAGGACTGGGGAGGGGACGCTGCCTTTTGTGCTGTGAAGAAG
 CACACCCGAGTGAATCAAACCGATAAACAGGAAGCAGCCTGGAAGGTACCACCTGGACAACACGAGC
 AGCGCGCGCTTTCGGCTGTGAGACTGAAGATGTTGCCATAAAGGTGACGAACGGATACTTCTCATG
 GGGCAGTGGTTTAGCCACATTATCCAATATTGACATTGCAATCCAACAGGTGAGTAAACATGATTGTG
 GGTGAGTGGTTGTGGCAAATCGTCTCTCCTCCTTGGCATCCTTGGTGAAGTGCAGACCCGGAAGGAA
 AAGTTTACTGGAACAATGTAATGAATCTGAGCCTTCTTTTGAAGCAACCCGAAGCAGAAGCAGGTA
 TGTGGCTTATGCTGCCAGAAGCCTTGGCTCCTCAATGCTACGGTCGAGGAAAACATCACTTTTGAAGT
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 CCTTTGGAGACCAAACTGAAATGGAGAGAGGGGTATCAACCTGAGTGGGGTGCAGGCAGAGAATCTG
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 CACCTGAGCGACCACTTGTGACGGAAGGGATCCTGAAGTTTCTCAGGACGACAAGAGGACGGTGTG
 TTGTGACTCACAACACTACAGTACCTGACGCACGGGACTGGATCATAGCCATGAAGGATGGGAGTGTG
 AAGGGAAGGGACTTTGAAAGACATCCAGACCAAAGACGTGGAGCTCTATGAACACTGGAAAAACCTCATG
 AATCGGCAAGATCAGGAATTAGAAAAGGACATGGAAGCCGACAAACAACGCTGGAGAGGAAGACTCTCC
 GAAGAGCTATGTACTCAAGGGAGGCAAGCAGATGGAGGATGAAGATGAAGAGGAGGAGGAGGAGGA
 AGATGAGGACGACAACATGTCAACTGTAATGAGGCTCAGGACGAAGATGCCCTGGAAGACCTGTTGGTGG
 TACCTCACTTCAGGAGGGTTTTCTGCTTCTCCTCATGATCTTCTAAGCTTTGAAGCACTGTGTA
 TCGTGGCCATCGACTACTGGTAGCTAGTGGACCTCCGAGTACAGTATAAACGACCCAGGGAAGCTGA
 CCAGACTTCTATGTGGCTGGTTTCAAGCCTCTGTTGGAGCGGGCAATTTCTTTGCTGTGACCTCC
 CTCACTGTAGAATGGATGGTCTCACCGCGCCAAGAACCTCCACCACAATCTCCTCAATAAGATAATTC
 TGGGCCAATAAGTTCTTTGATACCACGCCCTGGGACTGATCCTCAATCGGTTTTCTGCTGATACCAA
 CATCATCGACCAACATATCCCTCCGACCTTGGAGTCGCTGACCCGCTCTACCCTGCTGCTGTGCGCT
 ATTGGGATGATCTCCTATGCTACACCCGTGTTTCTCATGCTCTTGCGCCCTGGGCGTCGCTTTTATT
 TCATCCAGAAATACTTCCGGTTGCCTCTAAGGATCTCCAGGAACCTGATGACAGCACCCAGCTCCCT
 GCTTTGCACTTCTCAGAAACAGCTGAAGGGCTTACCCTATCCGGGCTTCCAGGATGAAACCAGATTC
 AAGCAACGCATGTGGAGCTGACAGACACAACAACATGCTACTTATTTCTCTCCGACCCAACAGAT
 GGCTGGAGGTGAGGACGACTACCTGGGAGCTTGCAATTGTTCTGACGGCCTCCATTGCATCCATCAGTGG
 CTCTTCAACTCTGGACTAGTGGCTTGGGCTTCTGTATGCCCTCACGATAACCAATTACTGAATTGG
 GTTGAAGGAACTTGGCCGACCTCGAAGTCCAGATGGGCGCAGTGAAGAAAGTGAACAGTTTCTTA
 TGGAGTCTGAGAACTATGAAGGCACCATGGATCCTTCTCAAGTCCCAGAGCATTGGCCACAGGAAGTGA
 GATCAAGATTCACGATCTATGCGTCAGATATGAAAATAACCTGAAGCCGTTCTGAAACATGTCAAGGCT
 TACATCAAGCCTGGGCGAAGGTGGGCATCTGTGGTCGCACCCGAGTGGGAAAGTCTCTATCTCTGG
 CTTTCTCAGAATGGTCGACATATTTGATGGAAGATAGTCATTGATGGAATAGACATTTCAAGCTGCC
 CTTGCACACGCTCCGCTTAGACTGTCCATCATTCTCCAGGACCAATCCTGTTGAGCGGCTCTATCAGA
 TTTAACTTGGATCCTGAATGCAAGTGCACAGACGACAGGCTCTGGGAGGCTCTGGAATTTGCTCAGTTGA
 AGAATATGGTCAAATCTCTGCCAGGAGGCTAGACGCCACTGTCACCGAAGGTGGTGAAGTTCAGCGT
 TGGACAGAGACAGCTGTTCTGCCTGGCCAGGGCTTTGTTGAAAAGAGCAGCATACTCATTATGGATGAG
 GCCACGGCTCCATCGACATGGCCACGGAAAACATTTTGCAGAAAGTGTGATGACAGCCTTTGCGGATC
 GCACGGTTGTAACCATAGCTCATCGGGTTCACACCATTCTGACTGCTGACCTGGTATTGTGATGAAGAG
 AGGAAACATTTTGAATACGACACCCCGAAAGCCTTTGGCCAGGAGGATGGAGTGTTCGCTCGTTC
 GTTCGTGCGGACATGTA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_013040

Insert Size:	4638 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:	<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_013040.2</u> , <u>NP_037172.2</u>
RefSeq Size:	6628 bp
RefSeq ORF:	4638 bp
Locus ID:	25560
UniProt ID:	<u>Q63563</u>
Cytogenetics:	4q44
Gene Summary:	ATP-sensitive potassium channel subunit that confers ATP sensitivity and acts as receptor for sulfonylurea; may play a role in mesangial cell contractility in response to calcium ion transients [RGD, Feb 2006]