

Product datasheet for **RN204663**

Abcc8 (NM_013039) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Abcc8 (NM_013039) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Abcc8
 Synonyms: Sur; Sur1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN204663 representing NM_013039
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTTTGGCCTTCTGCGGCACCGAGAACCCTCGGCCGCTACCGGGTGGACCAAGGCGTCTCAACA
 ACGGCTGCTTCGTGGACGCGCTCAATGTGGTGCCACATGTCTTTCTGCTTTCATCACCTTCCCCATCCT
 TTTCATCGGATGGGGCAGCCAGAGCTCCAAGGTGCACATTCACCACAGCACCTGGCTCCATTTCCGGGG
 CACAACCTGCGCTGGATCCTGACCTTCACTGCTCTTCGTCTCGTGTGTGAGATCGCTGAGGGTATCC
 TGCTGACGGGGTGACAGAATCCCGCCACCTCCACTTATACATGCCAGCTGGGATGGCATTTCATGGCTGC
 CATCACCTCTGTGGTCTACTACCATAACATTGAGACCTCTAACTTTCCCAAGCTGCTGATTGCTCTGCTC
 ATCTACTGGACCTGGCCTTCATCACGAAGACCATCAAGTTCGTCAAGTTCACGACCACGCCATTGGCT
 TCTCTCAGCTGCGCTTCTGCCTCACGGGGCTTCTGGTGATCCTCTACGGGATGCTGCTGCTTGTGGAGGT
 CAATGTCATCCGGGTGAGGAGATACGTCTTCTCAAGACCAAGGGAAGTAAAGCCCCCGAGGACCTA
 CAGGACCTGGGTGTGCGCTTCTGCAGCCCTTCGTTAACCTGCTATCAAAGGGGACCTACTGGTGGATGA
 ATGCCTTCATCAAGACTGCTCACAAGAAGCCCATCGACCTGCGGGCCATCGGGAAGCTGCCATTGCCAT
 GAGAGCCCTCACCAACTACCAGCGACTCTGCTTGGCCTTCGATGCCAGGCGCGGAAGGACACACAGAGC
 CAGCAGGGTGCCCGGCCATCTGGAGGGCTCTCTGTCATGCCTTTGGGAGACGGTGCTCCTCAGCAGCA
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 TTCCTCGGCAATGCCTATGTCTTGGCTGTTCTTCTGTTCTTGCCTCCTGCTGCAAAGGACCTTCTAC
 AAGCCTCGTACTACGTTGCCATTGAACTGGGATCAACCTGAGAGGAGCAATCCAGACCAAGATTTACAA
 TAAGATCATGCACTTGTCTACTTCCAACCTGTCCATGGGGAAATGACTGCTGGGCAGATCTGCAACCTG
 GTGGCCATCGACACCAACCAGCTCATGTGGTTTTTCTTCTATGCCAAACCTCTGGGCTATGCCGTAC
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 CATTCTGCTGGCTCCTGTACAGTACTTTGTGGCCACCAAGCTGTCCCAGGCACAGCGGAGCACCTGGAA
 TATTCCAATGAGAGGCTGAAGCAGACCAATGAGATGCTCCGGGCATCAAGTTGCTCAAGCTCTATGCGT



GGGAGAACATCTTCTGCTCCAGGGTGGAGAAGACACGCAGGAAGGAAATGACCAGCCTCAGGGCCTTCGC
 TGTCTACACCTCCATCTCCATCTTCATGAACACAGCTATCCCCATCGCTGCTGTCCTCATCACCTTCGTG
 GGCCACGTCAGCTTCTTCAAAGAGTCGGACTTCTCGCCCTCGGTGGCCTTTGCCTCTCTCTCTCTTCC
 ACATCCTGGTCACACCGCTGTTCTGCTGTCTAGTGTGGTTCCGTCCACTGTCAAGGCCCTGGTGAAGCGT
 GCAAAAGCTGAGTGAGTTCCTGTCCAGTGCAGAGATCCGTGAGGAACAGTGTGCCCCCGAGAGCCCGCA
 CCCCAGGCCAAGCGGGCAAGTACCAGGCGGTGCCCTCAAGGTCGTAACCCGCAAGCGCCAGCCCGAG
 AAGAAGTCCGGGACCTCTTGGGCCACTGCAGAGGCTGACTCCCAGCAGGATGGAGACGCTGACAACCT
 CTGTGTCCAGATCATCGGAGGCTTCTTACCTGGACCCCTGATGGAATCCCCACCCTGTCCAACATCACC
 ATCCGTATCCCCGAGGTCAGCTGACCATGATCGTGGGGCAGGTGGGCTGTGGCAAGTCCTGCTCTTTC
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 GGGAGAAGACCCAGCAACCCAGAGCGGGAGACAGCGCCGATTCCGGATGCCAGGAGCAGAGGCCCTGTG
 GCCTACGCATCTCAGAAACCATGGCTGCTAAATGCCACTGTGGAGGAGAACATCACCTTCGAGAGTCCCT
 TCAATAAGCAACGGTACAAGATGGTCATCGAAGCCTGCTCCCTGCAGCCAGACATAGACATCCTGCCCA
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 GACCCACAAGCTACAGTACCTGCCTCATGCTGACTGGATCATTGCTATGAAGGATGGCACCATTAGAGG
 GAGGGGACACTCAAGGACTTCCAGAGGTCTGAGTGCCAGCTCTTTGAGCATTGGAAGACCCTCATGAACC
 GGCAGGACCAAGAGCTGGAGAAGGAGACAGTCAATGGAGAGAAAAGCCCCAGAGCCATCTCAGGGCCTGCC
 CCGTGCCATGTCTCAAGAGATGGCCTTCTGCTGGATGAGGATGAGGAGGAAGAGGAGGCAGCCGAGAGC
 GAGGAAGATGACAACCTTACTCTGTGCTGCATCAGCGAGCCAAGATCCCATGGCGAGCCTGCACCAAGT
 ATTTGTCTCTGCTGGCATCCTGCTCCTGTCCCTGCTTGTCTTCTCCAGCTGCTCAAGCACATGGTCTT
 GGTGGCATTGACTACTGGCTGGCCAAGTGGACGACAGTGGCCTGGTCTGAGCCCGCCGCGCAAGAAC
 TGCTCCCTCAGCCAGGAATGTGCCCTGGACCAATCTGTCTATGCCATGGTATTACCCGTGCTCTGCAGCC
 TGGGTATCGCGCTGTGCCTTGTACCTCTGCTACTGTGGAGTGGACGGGACTGAAGGTGGCCAAGAGGCT
 GCATCGCAGCCTGCTCAACCGTATCATCTGGCTCCCATGAGGTTCTTTGAGACCACGCCCTGGGGAGT
 ATCCTGAACAGATTTTTCATCTGACTGTAACACCATTGACCAGCATATCCCGTCCACGCTGGAGTGCCTGA
 GCAGATCCACCTTACTCTGTGCTCCGCCCTGGCTGTCATCTCTACGTACGCCTGTGTTCTAGTGGC
 CCTTTACCCCTCGCGTCTGTGCTACTTTCATCCAGAAGTACTCCGAGTGGGCTCCAGGGACCTGCAG
 CAGCTGGACGACACAACACAGCTCCCTCTGCTCTCACACTTTGCTGAAACTGTGGAAGGACTCACCACCA
 TCCGTGCCTTTCAGGTACGAGGCCGGTTCAGCAGAAGCTCCTAGAGTACACCGACTCCAACAACATTGC
 CTCTCTTCTCCTCACAGCAGCCAACAGGTGGCTGGAAAGTCCGCATGGAGTACATCGGAGCATGCGTGGTA
 CTCATCGCCGCTGCCACCTCCATCTCCAACCTCCATACACAGGGAGCTCTCAGCCGGCCTAGTAGGCCTGG
 GCCTCACCTATGCCTTGTGGTCTCCAACCTACCTCAACTGGATGGTGGAGAACCTGGCAGACATGGAGAT
 CCAACTGGGAGCTGTGAAGCGTATCCACACACTCCTGAAAAGTGGAGCAGAGAGCTATGAGGGGCTCCTG
 GCACCATCGCTGATCCCCAAGAAGTGGCCAGACCAAGGGAAGATCCAAATTCAAAACCTGAGTGTACGCT
 ATGACAGCTCCCTGAAGCCCGTGTGAAGCAGTCAACGCCCTCATCTCCCAGGACAGAAGATTGGGAT
 TGGCGGCGCACAGGCAGTGGAAAATCCTCCTTCTCTCGCCTTTTCCGAATGGTGGATATGTTTGAA
 GGGCGTATCATCATCGATGGCATTGACATCGCCAAGCTGCCGCTGCACACGCTCCGCTCAGCCTGTCTA
 TCATCCTACAGGACCCTGTTCTTTCAGTGGTACCATCAGATTCAACCTGGACCCAGAGAAGAAATGCTC
 AGACAGCAGCTGTGGGAGGCTCTGGAGATCGCTCAGCTGAAGCTGGTGGTGAAGGCCCTGCCAGGAGGC
 CTGGATGCCATCATCACGGAAGGAGGGGAGAATTTAGCCAGGGCCAGAGGCAGCTGTTCTGCCTGGCCC
 GGGCCTTTGTGAGGAAGACCAGCATCTTCATCATGGATGAAGCAACTGCCTCCATCGACATGGCTACGGA
 AAATATCCTCCAGAAGGTGGTGTGACAGCCTTCGCAGACCGCACCGTGGTACCATCGCGCACCCGCGTG
 CACACCATCCTGAGTGCAGACCTAGTGTGGTCTGAAGAGGGGCGGATCCTGGAGTTCGACAAGCCGG
 AAAAGTCTCAGCCAGAAGGACAGCGTCTTTGCCTCCTTTGTCCGCGCGACAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_013039

Insert Size:	4749 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_013039.2</u> , <u>NP_037171.2</u>
RefSeq Size:	4749 bp
RefSeq ORF:	4749 bp
Locus ID:	25559
UniProt ID:	<u>Q09429</u>
Cytogenetics:	1q22
Gene Summary:	binds sulfonylurea; subunit of the ATP-sensitive potassium channel K(ATP), which is composed of Sur1 and the inwardly rectifying K(+) channel subunit, Kir6.2 [RGD, Feb 2006]