

Product datasheet for **RN202372**

Abcc5 (NM_053924) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc5 (NM_053924) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcc5
Synonyms:	Abcc5a; Mrp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202372 representing NM_053924 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGATATTGACATGGGAAAAGAATACATCATCCCCAGTCCCGGATACAGAAGCGTCAGGGACAGAA
GCACTATCCCGGACAACACGGCGATCGTGAAGAACCCAGGTTCCGGAGAACAAGATCATTGGAATGCCA
AGATGCCCTAGAAACAGCAGCCCGAGTTGAGGGTCTTTCCCTGGACATCTCTGTGCATTCTCATCTCCAA
ATTCTGGACGAGGAACATACGAAGGGGAAATACCACCATGGTTTAAAGCGCCCTGAAGCCCTCCGGACCA
CCACCAAGCACCAGCACCAGTGGACAATGCTGGCCTTTTCTCCTACATGACCTTTTCATGGCTCTCTCC
TCTGGCCCAAGTGGTTCACAAGAAGGGGGAGCTGTTAATGGAGGATGTGTGGCCTTTGTCCAAGTATGAG
TCTTCTGATGTGAAGTGCAGAAGACTAGAGAGACTGTGGCAAGAAGAGCTGAATGAAGTCGGGCCAGACG
CCGCTCCCTGCGAAGGGTTGTGTGGATCTTTGCCGCACCAGGCTCATCCTGTCCATCGTGTGCCTGAT
GATCACGCAGTTGGCTGGCTTCACTGGACCAGCCTTCGTGGTGAAGCACCTTTGGAGTACACCCAGGCA
ACAGAGTCTAACCTGCAGTACAGCTTGTGTGGTACTAGGCCTCCTCCTGACAGAGGTTGTACCGTCTCT
GGTCACTCGCACTGACTTGGGCATTGAATTATCGCACTGGTGTCCGGCTGCGGGGGGCTGTCCGACCAT
GGCATTCAAGAAGATCCTGAAGCTAAAGAACATTAAGGAAAAGTCCCTGGGGGAGCTTATCAATATCTGC
TCCAACGATGGGCAGAGGATGTTTGAAGCAGCCGCTGTGGGCAGCTTGCTGGCCGGAGGACCCGTTGTCG
CCATCTTGGGCATGATTTATAATGTAATCATTCTAGGACCAACGGGCTTCTGGGATCGGCTGTCTTTAT
CCTCTTTTATCCGGCAATGATGTTTCGTGTACGGCTAACCAGCTATTTACAGGAGAAAGTGTGTAGCCGCC
ACAGACGACCGTGTCCAGAAGATGAATGAAGTTCTTACCTACATTAATTTATTAATTAATGATGCCTGGG
TCAAAGCGTTTTCTCAGTGTGTTCAAAAAATCCGAGAGGAGGAGCGTCGGATCCTGGAGAAGGCCGGGTA
CTTTACAGAGCATACCGTTGGAGTGGCTCCCATTTGTCGTAGTATCGCCAGCGTGGTACGTTCTCCGTC
CACATGACCTGGGCTTTCGACCTGACAGCGGCGCAGGCCTTACAGTGGTACTGTCTTCAATTCATGA
CTTTTGCTTTAAAGTAACACCATTTCTCAGTGAAGTCCCTCTCTGAAGCATCCGTTGCTGTTGACAGATT
TAAGAGTTTGTCTAATGGAAGAGGTTACATGATAAAGAACAACCGGCCAGTCTCACATCAAGATA
GAGATGAAAAATGCCACCTTGGCATGGGACTCCTCCCACTCCAGTACACAGAGCTCGCCCAAGCTGACCC



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CCAAAGTGAAAAAGACAAGAGGGCTCCCAAGGGCAAGAAAGAGAAGTCGAGGCAGCTGCAACATACTGA
 GCACCAGCGGGTCTGGCAGAGCAGAAAGGACACCTCCTCCTGGACAGTGATGAGCGGCCAGTCCGGAA
 GAGGAAGAAGGCAAGCAGATCCACGCAGGGAGCATGCGTCTGCAGAGGACACTCTACAACATTGACTTAG
 AGATTGAAGAGGGCAAACCTGGTTGGAATCTGTGGCAGTGTGGAAAGTGGAAAAACCTCTCTGATTTCCGC
 CATTAGGCCAGATGACGCTTTTGGAGGGCAGCATTGCCGTAGTGGGACCTTTGCTTACGTGGCCCAA
 CAGGCCGTTGATTCTAACGCCACGCTGAGAGACAACATTCTCTTGGGAAGGAATTTGATGAAGAGAGAT
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 TCAACAGTGTATCCGGAAGCGTCTCAAGTCTAAGACGGTCTGTGTTGTACACACCAGTTACAGTACCT
 GGTGCGATTGTGATGAGGTGATCTTCATGAAAGAAGGCTGTATCACAGAGAGAGGTACCCACGAGGAGCTG
 ATGAACTAAATGGAGACTACGCTACCATTTTTAATAACCTGTTGCTGGGAGAGACACCCCGGTGAGAA
 TTAATTCAAAAAGGAAGCTAGTGGTTCACAAAAATCACAAGACAAGGGCCCTAAGCCAGGGTCAAGTAA
 GAAGGAGAAGGCAGTGAAGTCGGAGGAAGGGCAGCTCGTGCAGGTGGAGGAGAAAGGGCAGGGCTCCGTG
 CCTTGGTCAGTTACTGGTCTACATCCAGGCTGCAGGGGTCCCTTGGCTTTCTGGTCAATCATGGTCC
 TCTTCATGCTCAATGTGGGCAGCACTGCCTTCAGCACCTGGTGGCTAAGCTACTGGATCAAGCAAGGAAG
 CGGAAACAGCACGGTGTGGAAGGGAACAGAAGCTCTGTGAGTGACAGCATGAGGGACAACCCCTTCCCTG
 CAGTACTATGCCAGCATCTACGCTCTCTCCATGGCAGTCACTGATCCTGAAGGCCATCCGAGGAGTTG
 TCTTTGTCAAGGGTACACTGAGAGCCTCCTCCCGGCTCCATGATGAGCTTTCGGAGGATCCTGAGAA
 CCCCATGAAGTTTTTGTACTACCCCAACAGGAAGGATTCTCAACAGGTTTTTCAAAGACATGGATGAA
 GTGGACGTGCGTCTGCCATTCCAGGCTGAGATGTTATCCAGAATGTGATCCTGGTGTCTTCTGTGTTG
 AATGATCGCAGGGTCTTCCCATTGGTTCCTTGTGGCAGTGGGGCCTCCTCATCTCTCTCAGTTCT
 ACACATTGTCTCCAGGTCCTGATTTCGGGAGCTGAAGCGTTGGACAATATCACGCAATCTCCTTTCCCTC
 TCCCATATCACGTCCAGCATTACGGGCCTCGCCACCATCCATGCCATAACAAAAAGGCAGGAGTTCTAC
 ACAGGTATCAGGAGCTTCTGGATGACAACCAAGCCCCCTTCTTCTGTTACCTGTGCAATGAGGTGGCT
 GGCAGTGCAGGCTGGACCTCATCAGCATCGCCCTGATCACCACCACGGGGCTCATGATTGTTCTCATGCAC
 GGGCAGATCCCTTCAGCGTACGCGGGCCTCGCCATCTCCTACGCTGTGCAGTTAACCAGGACTCTTCCAGT
 TTACCGTTAGACTGGCGTCGGAGACAGAAGCACGGTTCACCTCAGTGGAGAGGATCAACCACTACATAAA
 GACTCTCTCTTTGGAAGCACCTGCCAGAATCAAGAACAAGGCTCCTCCCCATGACTGGCCCCAGGAGGGA
 GAAATAACCTTTGAGAATGCGGAAATGAGATACCGGGAAAATCTCCCTCTGGTCTTAAGAAAGTGTCT
 TCACCATCAAGCCCAAGGAAAAGATAGGCATTGTGGGACGAACAGGGTCAAGGAAAGTCTCTCTAGGGAT
 GGCCCTCTCCGCTGGTGGAGTTATCTGGAGGCTGCATCAAGATCGATGGAGTAAGAATCAGTGACATT
 GGCTGGCCGACCTCCGAAGCAAACCTGACCATCATCCCTCAGGAGCCAGTGTGTTACAGCGGCACAGTCA
 GATCAAACCTGGACCTTTCAACCAGTACACAGAAGAGCAGATCTGGGATGCCCTAGAGAGAACACACAT
 GAAGGAATGTATTGCCAGCTACCTCTGAAACTGGAATCTGAAGTAAAGGAGAACGGGACAACCTTCTCT
 GTTGGGGAACGGCAGTTGTTATGCATAGCAAGGGCCCTGCTACGTCAGTGAAGATTCTGATTTTAGATG
 AAGCTACAGCCGCTATGGACACAGAGACAGACTTACTGATCCAAGAGACCATCCGGGAAGCATTGCTGA
 CTGCACCATGCTGACCATTGCCATCGCCTGCACACAGTTCTGGGCTCTGATAGGATCATGGTGTGGCC
 CAGGGACAGGTGGTGGAGTTTGACACCCCGTGGTCTTCTGTCCAACGACAGCTCAAGATTCTATGCCA
 TGTGTGCTGCTGCAGAGAACAAGGTGGCTGTCAAGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053924
Insert Size: 4311 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_053924.1</u> , <u>NP_446376.1</u>
RefSeq Size:	5744 bp
RefSeq ORF:	4311 bp
Locus ID:	116721
UniProt ID:	<u>Q9QYM0</u>
Cytogenetics:	11q23
Gene Summary:	ATP-binding cassette (ABC) multiple drug resistance protein that mediates efflux cGMP during nitric oxide-induced regulation of smooth muscle [RGD, Feb 2006]