

Product datasheet for **RN201020**

Abcg5 (NM_053754) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg5 (NM_053754) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcg5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201020 representing NM_053754
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTGAGCTGCCCTTTCTGAGTCCAGAGGGAGCCAGAGGGCCTCACAAACAGAGGGTCTCAGAGCT
CCCTGGAGGAAGGCTCAGTTACAGGCTCAGAGGCTCGGCACAGCTTAGGTGTCCTGAATGTGTCCTTCAG
CGTCAGCAACCGTGTGCGGCCCTGGTGGAAATCAAATCATGCCAGCAGAAGTGGGACAGGAAAATCCTC
AAAGATGTCTCCTGTACATCGAGAGTGGCCAGACCATGTGCATCTTAGGTAGCTCAGGCTCAGGGAAAA
CCACGCTGCTGGACGCCATCTCTGGGAGGCTGCGGCGCACAGGGACCTTGGAAAGGGGAAGTGTGTTGAA
CGGCTGCGAGCTGCGCAGGGACCAGTCCAAGACTGCGTCTCCTACCTCCTGCAGAGCGATGTCTTTCTG
AGCAGCCTCACGGTGGGAGACGCTGAGATACACGGCGATGCTGGCTCTCCGCAGCAGCTCCGCGGACT
TCTACGACAAGAAGGTAGAGGCAGTCTGACAGAGCTGAGTCTGAGCCACGTGGCAGACCAAATGATCGG
CAACTATAATTTTGGGGGATTTCCAGTGGCAGCGCGCGAGTGTCCATCGCAGCCAACTCCTTCAG
GACCCCAAGGTATGATGCTTGACGAGCAACACAGGACTGGACTGCATGACTGCAAATCATATCGTCC
TCCTCTTGGTTCGAGCTGGCTCGCAGGAACCGCATTGTAATTGTCACCATCCACCAGCCTCGCTCTGAGCT
CTTCCACCACTTCGACAAAATTGCCATTCTGACTTACGGAGAGTTGGTGTCTGTGGCAGCCAGAGGAG
ATGCTCGGCTTCTCAATAACTGTGGTTACCCCTGTCTGAACATTCCAATCCCTTTGATTTCTACATGG
ACTTGACATCGGTGGACACCCAAAGCAGAGAGCGAGAGATAGAGACGTACAAGCGAGTCCAGATGCTGGA
ATCTGCCTTCAGGCAATCGGACATCTGTCAAAAATCCTGGAGAACATTGAAAGAACAAGACACCTGAAA
ACCCTACCCATGGTTCCTTTCAAACGAAAAATCCTCCCGGAATGTTCTGCAAGCTCGGCGTTCTCCTGA
GGAGAGTAACGAGAAACCTAATGAGGAATAAGCAGGTGGTATTATGCGTCTTGTTCAGAATCTGATCAT
GGGTCTGTTCTCATTCTACCTTCTCCGAGTCCAGAACAACATGCTGAAGGGCGCTGTTCAAGGACCGC
GTAGGGCTGTTGTACCAGCTTGTGGGTGCCACCCCGTACACCGCATGCTCAACGCTGTGAACCTTTTC
CCATGCTGAGAGCTGTCAGCGACCAGGAGAGTCAAGATGGCCTGTACCAGAAGTGGCAGATGCTGCTCGC
CTATGTGCTGCATGCTCTCCCTTCAGCATCGTTGCCACGGTATTTTCAGCAGCGTGTGTTACTGGACT
CTGGGCTTGATCCCGAGGTCCGACAGATTTGGATACTTCTCTGCCGCTGTTGGCCCTCACTTAATTG
GAGAATTTCTGACACTTGTGCTGCTTGGTATGGTCCAAAACCCCAATATTGTCAACAGCATAGTGGCTCT
GCTGAGTATTTCTGGGTTGCTCATTGGATCTGGATTTATCAGAAACATAGAAGAAATGCCATTCCCTTA
AAAATCCTGGGTTACTTTACCTTCCAAAAGTACTGTTGTGAGATTCTTGGTCAATGAGTTCTATGGCC
TGAATTCACCTTGTGGTGGCTCCAACTTCTGTGCCAAATAACCAATGTGTTCCATGACCCAAGGGAT
CCAATTCATTGAGAAAACCTGCCAGGGGCCACGTCCAGATTCACGACAACTTCTGATCTTGTACTCG
TTCATCCCGACTTGTGCATCTGGGGATGGTGGTCTTTAAAGTCCGGGACTACCTGATTAGCAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053754

Insert Size: 1959 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_053754.2](#), [NP_446206.2](#)

RefSeq Size: 2470 bp

RefSeq ORF: 1959 bp

Locus ID: 114628

UniProt ID: [Q99PE7](#)

Cytogenetics: 6q12

Gene Summary: ATP-transporter family member that may regulate absorption of dietary cholesterol; human homolog is mutated in sitosterolemia, a disease of hyperabsorption of cholesterol and other sterols [RGD, Feb 2006]