OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN202746

Abcg1 (NM_053502) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg1 (NM_053502) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcg1
Synonyms:	Abc8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN202746 representing NM_053502
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGTCTGATGGCCGCTTTCTCGGTCGGCACCGCCATGAATGCCAGCAACTACTCGGCCGCAATGA
CGGAACCCAAGTCCGTGTGCGTGTCGGTGGACGAGGTCGTGTCCAGCAACGTGGATGAGCTTGAGACAGA
TCTGCTTAATGGGCACCTGAAGAAGGTGGACAACAACTTCACGGAGGCCCAGCGCTTTTCCTCCCTGCCG
CGGAGGGCGGCCGTGAATATCGAATTCAAGGACCTTTCTTACTCCGTACCCGAGGGACCCTGGTGGAGGA
AGAAAGGATACAAGACCCTTTTGAAAGGGATCTCTGGGAAGTTCAACAGTGGAGAGCTGGTGGCCATCAT
GGGTCCTTCTGGAGCTGGGAAGTCCACACTCATGAATATTCTGGCGGGATACAGGGAGACGGGCATGAAG
GGGGCAGTCCTTATCAATGGTATGCCCCGCGACCTGCGCTGCTTCCGGAAGGTCTCGTGCTACATCATGC
AGGATGACATGCTGCTGCCTCACCTCACTGTCCAGGAGGCCATGATGGTGTCCGCGCATCTGAAGCTGCA
AGAGAGGGATGAAGGCAGACGGGAGATGGTCAAGGAGATCCTGACAGCACTGGGCTTGCTGCCCTGTGCC
AACACACGCACAGGGAGCCTCTCGGGTGGCCAGCGGAAGCGCCTGGCCATTGCACTAGAACTGGTCAACA
ACCCTCCTGTTATGTTCTTTGATGAGCCCACCAGTGGCCTGGACAGTGCCTCTTGCTTCCAAGTGGTGTC
CCTGATGAAAGGGCTGGCCCAGGGCGGCCGCTCCATCGTCTGCACCATCCACCAACCCAGTGCCAAGCTC
TTCGAGCTCTTTGACCAGCTTTATGTCCTAAGTCAAGGACAATGTGTCTACCGGGGAAAGGTCTCGAATC
TCGTGCCGTACCTGAGGGATCTGGGTCTGAACTGCCCTACCTACCACAACCCTGCAGACTTTGTCATGGA
AGTGGCATCAGGGGAGTACGGTGATCAGAACAGCCGCCTGGTGAGGGCCGTTCGGGAGGGCATGTGTGAC
TCTGACTATAAGAGAGAACTCGGGGGCGACGGAGACGTGAACCCGTTCCTCTGGCACCGGCCTGCTGAAG
AGGACTCGGCCTCCATGGAAGGTTGCCACAGCTTCTCGGCCAGCTGCCTCACCCAGTTCTGCATCCTCTT
CAAGAGGACCTTCCTTAGCATCATGCGGGACTCGGTACTGACACACCTGCGAATCACCTCACACATCGGG
ATCGGTCTCCTCATTGGCCTCCTGTACCTTGGGATTGGGAACGAAGCCAAGAAGGTCCTGAGCAACTCCG
GCTTCCTGTTCTTCTCCATGCTGTTCCTCATGTTCGCCGCCCTCATGCCCACCGTTCTGACCTTTCCCCT
CGAGATGAGTGTCTTCCTCCGAGAGCACCTGAACTACTGGTACAGTCTGAAGGCCTACTACCTGGCCAAG
ACCATGGCTGATGTCCCCTTTCAGATCATGTTCCCCGTGGCCTACTGCAGCATCGTGTACTGGATGACAT
CACAGCCGTCGGACGCTGTGCGTTTTGTGCTGTTCGCTGCACTGGGCACCATGACCTCGTTGGTGGCCCA
GTCCTTAGGCCTACTCATTGGAGCTGCGTCCACATCCCTGCAGGTTGCGACGTTTGTGGGTCCCGTGACA
GCCATCCCTGTCTTGCTCTTCTCCGGGTTCTTTGTCAGCTTTGACACCATCCCAACCTACCTGCAGTGGA
TGTCCTACATCTCCTACGTCAGATACGGCTTCGAGGGGGTCATCCTGTCCATCTATGGCTTGGACCGAGA
GGACCTGCACTGCGACATCGCGGAGACATGCCACTTCCAGAAGTCAGAGGCCATCCTGCGGGAGCTAGAT
GTGGAGAACGCGAAGCTATACCTGGATTTCATCGTCCTGGGCATCTTCTTCATCTCCCTGCGGCTCATCG
CCTATTTTGTCCTGAGATACAAAATCCGGGCTGAGAGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1688_e06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053502

Insert Size: 2001 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_053502.1, NP_445954.1
RefSeq Size:	3527 bp
RefSeq ORF:	2001 bp
Locus ID:	85264
Cytogenetics:	20p12
Gene Summary:	ATP-binding cassette (ABC) half-transporter that facilitates the efflux of excess cholesterol from macrophages and may play an important role in cholesterol homeostasis [RGD, Feb 2006]