

Product datasheet for **RN210407**

Abcg8 (NM_130414) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg8 (NM_130414) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcg8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210407 representing NM_130414
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGAAGACCAAAGAGGAGACCCAGCTGTGGAACGGGACTGTACTCCAGGATGCTTCAAGCCTCC
 AGGACAGCGTGTCTCCTCTGAAAGTGACAACAGCCTCTACTTCACCTACAGTGGTCAGTCCAACACTCT
 GGAGGTACAGATCTCACCTACCAGGTGGACATGGCCTCTCAGGTGCCTTGGTTTGGAGCAGCTGGCTCAG
 TTCAAGTTACCGTGGAGGTCTCGCGGCAGCCAGGACTCCTGGGATCTGGGCATCCGAAATCTGAGCTTCA
 AAGTGAGGAGTGGACAGATGCTGGCTATCATAGGGAGCGCAGGCTGCGGGAGAGCCACATTACTCGACGT
 TATCACAGGCAGAGACCATGGTGGCAAGATGAAATCAGGACAAATCTGGATAAACGGGCAACCCAGCAGC
 CCTCAGCTGATACAGAAGTGTGTGCACATGTGCGCCAGCAAGACCAGCTGCTCCCAATCTGACTGTCA
 GAGAGACCCTGACTTTCATCGCCAGATGCGCCTGCCAAGACCTTCTCTCAGGCCAGCGAGACAAACG
 GGTGGAAGACGTGATTGCGGAGCTGCGGCTGCGGCAGTGCGCCAACACCCGCGTGGGCAACACATACGTA
 CGCGGGGTGTCCGGGGCGAGCGCCGAAGAGTGAGCATCGGGGTGCAGCTCCTGTGGAACCCAGGAATCC
 TCATCCTGGATGAACCCACTTCCGGCCTCGACAGCTTACCGCTCACAACCTGGTGAAGAATTTGTCCCG
 CCTGGCCAAAGGCAACAGGCTGGTGTCTCATCTCCCTCCACCAGCCTCGCTCTGACATCTTCAGGCTATTT
 GACCTGGTCTTCTGATGACGTCTGGCACCCCTATCTACCTGGGGGTGGCACAGCACATGGTGCAGTACT
 TTACATCAATTGGCTACCTTGTCTCGCTACAGCAACCTGTGACTTCTACGTGGACTTGACGAGCAT
 TGACAGGCGCAGCAAAGAAGAGGAGTGGCCACCATGGAGAAGGCTCGATTACTTGACGCTTGTTCCTA
 GAAAAAGTGAAGGCTTTGACGACTTCTGTGAAAGCTGAGGCAAAGAGTCTCGACACAGGCACCTATG
 CAGTCAGCCAGACCCTCACACAGGACACCAACTGTGGAAGTGTGCTGAGCTGCCGGGATGATACAGCA
 GTTTACCACCCTGATCCGTGTCAGATTTCCAATGACTTCCGGGACTTCCCAACCTGTTCCATCCATGGA
 GCAGAAGCCTGCCTGATGTCTCTCATCATTGGCTTCTTTACTACGGCCACGCAGACAAGCCGCTCTCCT
 TCATGGACATGGCAGCCCTCCTGTTTCATGATAGGAGCACTCATTCTTTAATGTCATTCTGGATGTCGT
 CTCCAAATGTCACCTCGGAGCGGTGCTGCTGTACTATGAACTGGAGGACGGACTGTACACTGCTGGTCTC
 TATTTCTTTGCCAAGTCTCGGTGAGCTGCCAGAGCACTGTGCCTATGTCATCATCTATGGGATGCCCA
 TCTACTGGCTGACCAACCTGCGGCCAGGGCCTGAGCTTCTCCTCTGCACCTCATGCTTCTGTGGCTGGT
 GGTGTTCTGCTGCAGGACCATGGCCCTGGCCGCTCTGCCATGCTGCCACCTTCCACATGCTCCTCTTC
 TGCTGCAACGCTCTCAACTCCTTCTACCTTACGGCTGGCTTTCATGATAAACTGAAACACCTGTGGA
 TAGTACCTGCATGGATTTCCAAGATGTCGTTCCCGGTGGTGTCTCAGGGCTGATGCAGATTCAAGTT
 TAATGGACACATTTACACCACGCAGATCGGCAACCTCACCTTCTCCGTCCCGGAGACGGATGGTCACT
 GCCATGGACCTGAACTCACATCCTTTTATGCGATCTACCTCATCGTCATTGGCATCAGCTGTGGCTTCC
 TGTCCTGTATTATCTGTCCTTGAAGTTCATCAAACAGAAGTCAATTCAAGATTGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_130414
- Insert Size:** 2019 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_130414.2](#), [NP_569098.2](#)

RefSeq Size: 4829 bp

RefSeq ORF: 2019 bp

Locus ID: 155192

UniProt ID: [P58428](#)

Cytogenetics: 6q12

Gene Summary: ATP-binding cassette (ABC) transporter that regulates sterol absorption and excretion; mutation causes sitosterolemia [RGD, Feb 2006]