

Product datasheet for **RN212918**

Abcg2 (NM_181381) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg2 (NM_181381) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcg2
Synonyms:	BCRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212918 representing NM_181381
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTCTAGTAAATGACCACGTGTTAGTACCGATGTCACAGAGAAAACAAGAACGGCCTTCTGGAATGA
 GCTCCAGAGGCGCGAGGACGCTCGCAGAGGGAGATGTGCTAAGTTTTATCACATCACCTATCGAGTGAA
 AGTGAAGAGTGGCTTTCTAGTCCGAAAAACAGCTGAGAAAAGAAATACTATCAGATATCAATGGGATCATG
 AAACCTGGTCTTAATGCTATTCTGGGACCCACAGGCGGAGCAAGTCTTCGTTGCTAGATGCTCTAGCAG
 CAAGGAAAGACCCACGGGATTATCTGGAGATGTTTTGATAAACGGGACCTCAACCTGCCAATTTCAA
 ATGCAGTTCAGGTTATGTGGTTCAAGATGACGTTGTGATGGGCACCCTGACAGTGAGAGAAAACCTTACAG
 TTCTCAGCAGCTTTCGCCTTCCAAAAGCTATGAAGACGCATGAAAAAATGAACGGATTAACACGATCA
 TTAAGAGTTAGCCTGGACAAAGTAGCAGATTCCAAGTTGAACTCAGTTACCCGTGGTATCTCTGG
 AGGAGAAAAGAAAAGACAAGCATAGGAATGGAGCTCATCACTGACCCTCCATCCTTCTCTGGATGAG
 CCCACAACCTGGTTTGGACTCAAGCACAGCAAATGCTGTCTTTTGTCTCTGAAAAGGATGTCTAAACAGG
 GCCGGACCATCATCTTCTCCATTACCAGCCTCGGTATCCATCTTTAAGTTGTTTGACAGCCTCACCTT
 ACTGGCTTCTGGGAAACTCATGTTTCATGGCCAGCACAGAAGGCCTTGGAGTACTTTGCATCAGCAGGT
 TACCACTGTGAGCCCTACAACAACCTGCAGACTTCTTCTTGACGTCAACACGGAGATTCTTCGGCTG
 TAATGTTAAACAGAGGGGAACAAGACCATGAAGCAAACAAGACAGAAGAGCCTTCCAAGAGAGAGAAGCC
 AATAATAGAAAATTTAGCCGAGTTTTATCAACTCCACCATCTATGGAGAAAACAAAAGCTGAATTAGAT
 CAACTTCCAGTAGCTCAGAAAAAGAAAGGATCATCAGCCTCAGAGAGCCTGTATATGTTACCTCGTCT
 GTCATCAGCTCAGATGGATTGCCAGGCTTCATTTAAAAACCTGCTCGGGAATCCTCAAGCTTCTGTAGC
 TCAGTTAATTGTTACAGTCATACTGGGACTGATTATTGGTGCCCTTTACTTTGGTCTGAAAAATGATCCC
 ACTGGAATGCAAAATAGAGCTGGGGTTTTCTTTTTCTGACTACCAACCAGTGTTTTACCAGTGTGTCAG
 CTGTGGAGCTCTTCGTAGTGGAGAAGAACTCTTTATACATGAGTACATCAGTGGATATTACAGAGTATC
 TTCTTACTTCTTTGGAAAGCTTGTGTCTGACTTACTACCTATGAGGTTCTTGCCAAGTGTATATACACT
 TGTTTTATTGACTTCATGTTAGGACTGAAGAGGACGGTGGAGGCTTTTTTTCATCATGATGTTTACCCTTA
 TAATGGTGGCTTATACGGCCAGTTCATGGCCCTGGCCATAGCCGAGGCCAAAGCGTAGTGTCTGTAGC
 AACACTTCTCATGACGATCTCTTTGTGTTTATGATGCTTTTTCTGGCCTCTTGGTGAATCTCAGAACC
 ATCGGGCCTTGGCTGCTCTGGCTTCAGTACTTTAGCATTCTCGATATGGCTTCACAGCTTTCAGCATA
 ATGAATTCCTGGGACAAGAATTTGGCCAGGACTCAATGTAACATGAACAGCACCTGTGTTAACAGCTA
 TACAATATGTAAGTAAATGACTACTTGATAAATCAGGGCATCGATCTGTACCTTGGGGACTGTGGAGG
 AATCATGTGGCCCTGGCTTGCATGATCATTATCTTCTCACAATTGCCTACCTGAAATTGTTGTTCTTA
 AGAAGTATTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1460_f06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_181381

Insert Size: 1974 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:	NM_181381.2 , NP_852046.1
RefSeq Size:	2175 bp
RefSeq ORF:	1974 bp
Locus ID:	312382
UniProt ID:	Q80W57
Cytogenetics:	4q24
Gene Summary:	High-capacity urate exporter functioning in both renal and extrarenal urate excretion. Plays a role in porphyrin homeostasis as it is able to mediate the export of protoporphyrin IX (PPIX) both from mitochondria to cytosol and from cytosol to extracellular space, and cellular export of heme, and heme. Xenobiotic transporter that may play an important role in the exclusion of xenobiotics from the brain (By similarity).[UniProtKB/Swiss-Prot Function]