

Product datasheet for **RR212918**

Abcg2 (NM_181381) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>RR212918 representing NM_181381
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTTCTAGTAATGACCACGTGTTAGTACCGATGTCACAGAGAAACAAGAACGGCCTTCTGGAATGA
GCTCCAGAGGCGCGAGGACGCTCGCAGAGGGAGATGTGCTAAGTTTTATCACATCACCTATCGAGTGAA
AGTGAAGAGTGGCTTTCTAGTCCGAAAAACAGCTGAGAAAAGAAATACTATCAGATATCAATGGGATCATG
AAACCTGGTCTTAATGCTATTCTGGGACCCACAGGCGGAGCAAGTCTTCGTTGCTAGATGCTCTAGCAG
CAAGGAAAGACCCACGGGATTATCTGGAGATGTTTTGATAAACGGGGCACCTCAACCTGCCAATTTCAA
ATGCAGTTCAGGTTATGTGGTCAAGATGACGTTGTGATGGGCACCCTGACAGTGAGAGAAAACTTACAG
TTCTCAGCAGCTCTTCGCCTTCCAAAAGCTATGAAGACGCATGAAAAAATGAACGGATTAACACGATCA
TTAAAGAGTTAGCCTGGACAAAGTAGCAGATTCCAAGTTGGAACCTCAGTTTACCCGTGGTATCTCTGG
AGGAGAAAAGAAAAGACAAGCATAGGAATGGAGCTCATCACTGACCCTCCATCCTCTTCTGGATGAG
CCCACAACCTGGTTGGACTCAAGCACAGCAAATGCTGTCTTTTGTCTCCTGAAAAGGATGTCTAAACAGG
GCCGGACCATCATCTTCTCCATTACCAGCCTCGGTATCCATCTTTAAGTTGTTTGACAGCCTCACCTT
ACTGGCTTCTGGGAAACTCATGTTTCATGGCCAGCACAGAAGGCCTTGGAGTACTTTGCATCAGCAGGT
TACCACTGTGAGCCCTACAACAACCTGCAGACTTCTTCTTGACGTCATCAACGGAGATTCTTCGGCTG
TAATGTTAAACAGAGGGGAACAAGACCATGAAGCAAACAAGACAGAAGAGCCTTCCAAGAGAGAGAAGCC
AATAATAGAAAATTTAGCCGAGTTTTATCAACTCCACCATCTATGGAGAAAACAAAAGCTGAATTAGAT
CAACTTCCAGTAGCTCAGAAAAAGAAAGGATCATCAGCCTTCCAGAGCCTGTATATGTTACCTCGTTCT
GTCATCAGCTCAGATGGATTGCCAGGCGTTCATTTAAAAACCTGCTCGGGAATCCTCAAGCTTCTGTAGC
TCAGTTAATTGTTACAGTCATACTGGGACTGATTATTGGTGCCCTTTACTTTGGTCTGAAAAATGATCCC
ACTGGAATGCAAAATAGAGCTGGGGTTTTCTTTTTCTGACTACCAACCAGTGTTTTACCAGTGTGTCAG
CTGTGGAGCTCTTCGTAGTGGAGAAGAACTCTTTATACATGAGTACATCAGTGGATATTACAGAGTATC
TTCTTACTTCTTTGGAAAGCTTGTGTCTGACTTACTACCTATGAGGTTCTTGCCAAGTGTATATACACT
TGTTTATTGTACTTCATGTTAGGACTGAAGAGGACGGTGGAGGCTTTTTTTCATCATGATGTTTACCCTTA
TAATGGTGGCTTATACGGCCAGTCCATGGCCCTGGCCATAGCCGCAGGCCAAAGCGTAGTGTCTGTAGC
AACACTTCTCATGACGATCTCTTTGTGTTTATGATGCTTTTTCTGGCCTCTTGGTGAATCTCAGAACC
ATCGGGCCTTGGCTGCTCCTGGCTTCAGTACTTTAGCATTCTCGATATGGCTTCACAGCTTGCAGCATA
ATGAATTCCTGGGACAAGAATTTGCCAGGACTCAATGTAACATGAACAGCACCTGTGTTAACAGCTA
TACAATATGTAAGTAAATGACTACTTGATAAATCAGGGCATCGATCTGTACCTTGGGGACTGTGGAGG
AATCATGTGGCCCTGGCTTGCATGATCATTATCTTCTCACAATTGCCTACCTGAAATTGTTGTTTCTTA
AGAAGTATTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_181381.2](#), [NP_852046.1](#)

RefSeq Size: 2175 bp

RefSeq ORF: 1974 bp

Locus ID: 312382

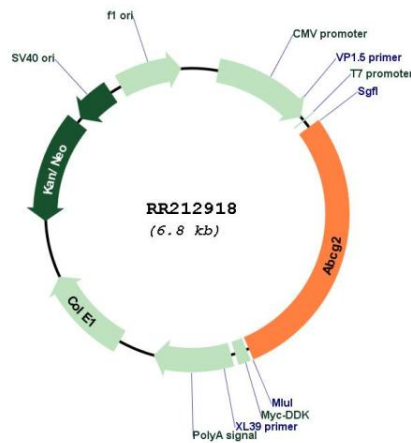
UniProt ID: [Q80W57](#)

Cytogenetics: 4q24

MW: 73 kDa

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 hemin, and heme. Xenobiotic transporter that may play an important role in the exclusion of xenobiotics from the brain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR212918