

Product datasheet for **MC202064**

Abcg2 (NM_011920) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg2 (NM_011920) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcg2
Synonyms:	ABC15; ABCP; AI428558; BCRP; Bcrp1; MXR; MXR1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC053730 sequence for NM_011920
AAGAGGTAATCCGATATAAAAAGATCTCTCTGTCTGGATTTCTCTTTTCCAATCTCCTTGCCAGATAAG
AGGGGTTAGGTTGCTTGTGAGTTGGAACACATTCTTTCTTGATTCAGGATAACCAGCTAACAGATATTC
ACTACTGTCGCTGAAATTAAGTGAAGATATTCATTAATTTCTGGAAGCTAGATTTTTGAAAAGTCTT
GATTTTGCCTGTCTTGTGAGGCAAACTTAGCAACTTTGGGGATTGATAAATCTTCTGTCTTCTGGTCC
TCTCCCTGCTTTTTCTCAACTCCACTGCAAGCAAGAGTGGACATACTCTTAGGGTGGCTTTTGTGGCAGG
CATGGATCCTAGCTGAACTCTTTCTCCAGTGTACAACATTGCTGCATCTCACTGAGGCCTGACGGTTCTC
CTTTTGACACCTCATTACACATAGCAGAGAAAGGCATAAATCCTAAAGATGTCTTCCAGTAATGACCACG
TGTTAGTACCAATGTCGAGAGAAACAACCGCCTTCTAGGACGAACTCCAGAGCCGTTAGGACGCT
CGCAGAAGGAGATGTGTTGAGTTTTATCACATCACCTATCGAGTGAAAGTAAAGAGTGGGTTTCTAGTC
CGGAAAACAGTTGAGAAAGAAATACTATCAGATATCAATGGGATCATGAAACCTGGCCTTAATGCTATTC
TGGGACCCACAGGCGGAGGCAAGTCTTCGTTGCTAGATGTCTTAGCAGCAAGGAAAGATCCAAAGGGATT
ATCTGGAGATGTTTTGATAAATGGAGCACCTCAACCTGCCACTTCAAATGCTGTTGAGTTATGTGGTT
CAAGATGACGTTGTGATGGGCACCCTGACAGTGAAGAGAAAACCTACAGTTCTCAGCAGCTCTTCGACTTC
CAACAATATGAAGAATCATGAAAAAATGAACGGATTAACACAATCATTAAAGAGTTAGGTCTGGAAAA
AGTAGCAGATTCTAAGGTCGAACTCAGTTTATCCGTGGCATCTCTGGAGGAGAAAGAAAAAGGACAAGC
ATAGGGATGGAGCTGATCACTGACCCCTCCATCCTCTTCTGGATGAGCCACGACTGGTTTGGACTCAA
GCACAGCGAATGCTGCTTTTGTCTGCTGAAAAGGATGTCTAAACAGGGTCGAACAATCATCTTCTCCAT
TCATCAGCCTCGGTATTCATCTTTAAGCTGTTTACAGCCTCACCTTACTGGCTTCCGGGAAACTCGTG
TTCCATGGGCCAGCACAGAAGGCCTTGGAGTACTTTGCATCAGCAGGTTACCACTGTGAGCCCTACAACA
ACCCTGCGGATTTTTCTTGTATGTCATCAATGGAGATTTCTTCTGCTGTGATGTTAAATAGAGAGGAACA
AGACAATGAAGCAAACAAGACTGAAGAGCCTTCCAAGGGAGAGAAGCCAGTAATAGAAAAATTTATCTGAG
TTTTATATCAACTCTGCCATCTATGGAGAAACAAAAGCTGAATTAGATCAACTTCCAGGAGCTCAGGAAA
AGAAAAGGAACATCGCCCTTCAAAGAGCCAGTCTATGTTACCTCTTCTGTCAACAGCTCCGATGGATTGC
CAGGCGCTCATTTAAAAACTTGCTCGGGAACCCTCAAGCTTCTGTTGCTCAGTTAATTGTTACAGTCATA
CTGGGGCTTATTATTGGTGCCATTTACTTTGATCTGAAATATGATGCCGCTGGAATGCAAAATAGAGCTG
GAGTTTTGTTTTCTGACTACCAACCAGTGTTTTTCCAGTGTGTGAGCTGTGGAGCTGTTGCTAGTGGA
GAAGAACTCTTCATACATGAGTACATCAGTGGATATTACAGAGTGTCTTCTTACTTCTTTGAAAGGTG
ATGTCTGATTTACTCCCATGAGGTTCTTGCCAAGTGTATATTCACTTGTGATTATATTCTCATGTTAG
GACTGAAGAAGACGGTGGATGCTTTTTTATCATGATGTTTACCCTTATAATGGTGGCTTATACGGCCAG
TTCCATGGCACTGGCCATAGCCACAGGCCAAAGTGGTGTCTGTAGCAACACTTCTCATGACAATCGCT
TTTGATTTATGATGCTTTTTCTGGCCTTGGTGAATCTCAGAACCATTGGGCCTTGGCTGTCCTGGC
TTCAGTACTTTAGCATTCTCGATATGGCTTACAGCTTTGCAAGTATAATGAATCTTGGGACAAGAGTT
TTGTCCAGGATCAATGTAACGGACAACAGCACTTGTGTTAACAGCTATGCAATATGACTGGTAACGAG
TACTTGATAAATCAGGGCATCGAACTGTACCTTGGGACTGTGGAGAAATCATGTGGCCCTGGCTTGTA
TGATTATTATCTCTCACAATTGCCTACCTGAAATTGTTGTTTCTTAAAAAGTATTCTTAATTTCCCCC
TTTAACGGACTATTAATTGACTCCAATTAATATGGGCACCTTTGATTACCATAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_011920
- 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:

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: [BC053730](#), [AAH53730](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1974 bp

Locus ID: 26357

UniProt ID: [Q7TMS5](#)

Cytogenetics: 6 27.82 cM

Gene Summary: The membrane-associated protein encoded by this gene is included in the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. Alternatively referred to as a breast cancer resistance protein, the human protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. This protein likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. [provided by RefSeq, Jul 2008]