

Product datasheet for **MC220082**

Abcg3 (NM_030239) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg3 (NM_030239) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcg3
Synonyms:	Abc; Abcp2; Mxr; Mxr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC220082 representing NM_030239
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTCTAATAATGACCCCACTGTAATCTCAATGATAGAAAGACATCTTTGTGACCTTCTGAAACAA
 ACACCACTGACCTGAAGACATTGACTGAAGAGGCTGTGTTGAGTTTTACAACATCAGTTACCAAGAAAC
 AGTACAGAGTGGCTTTCCACTTCGTAAGGAGCATATGTGATAGAAAGACTATCAAAACATCAGTGGGATC
 ATGAAACCTGGCCTCAATGCCATTATGGGACCTCAGGATGGGAGCAGATCTTTGTTGTTAGATGTCTTAG
 CTGCAAGGAGAGATCCGCGTGGATTATCAGGAGATATTTTGATAAATGGCAAACCTCGACCTGCTAATTT
 CAAGTGTACTTCTGGTTATGTACCACAAAATGATGTGGTGTGGGCACAGTGACCGTGAGAGACAATTTA
 GAGTTCTCAGCAGCTCTTCGTCTCCAGTACTATAACAAGAGATGAAAAGAGAAGGAGGATTAAATGAGG
 TGCTTGAACTTCTGCATCTGAATAAAGAACAAAATATCAAGCCTAGATCCAAAGAACTCAGGAAAAGGAC
 CAGTATAGCAATGGAGCTGGTCACTGAGCATCCATTTTGTCTTGGATGATCCACAACCTGGCTTAGAT
 TTGAGAACTACGACTGATGTCATTTTAGTCCTGAGAAGGATGTGGAAGAGGGACGGACCATCATCTTCT
 CCATCAATCAGCCTCAGTACTCCATCTTCAAAATTTTGTAGCCTCACCTTAGTGGCTTCAGGAAAAGT
 TATGTTTCATGGACCTGCACAGGATGCTTTGGAGTACTTCAGATCTGCAGGTTACAATTATGAATCGCAC
 AACAACCTGCAGACTTCTTCTGGATGTCATTAATGGAGGTTTCTCTAATATATTAGACACAGAGGAAG
 ACGGCCATGAAGATGACAAATATGAAGAGCTTTTGGAGAGACAGTATCAAGTACAGGAAAACCTGGCCAA
 TATGTATGCCAGTCCCATTTATACAGTGAAACAAGAGCCATCCTGGATCAACTCTTGGGAGAACAGAAG
 CTGGAGAGGAGCTCAGCCGTGGAGACAACATGTGTCACCCCTTCTGCCATCAGCTCAAGTGGATTATCT
 GTCAATCATTCAAAAATTTCAAGGTTTTCCATGGGTCAGTGTGATTAGGCCATTATCACAGTCATATT
 GGCTACAGCCGTAGGCACTGCTTTCCGTGCTCAAAAAATGATTGATTGAAGTCCAGATGAGAGCTGGC
 CTACTTTACCTGCTCACCATCTTCCAGTGTATCAAGTGTGTCTGCAGGGGAGCTCTTTGTGATTGACA
 GGGTTCGCTTTCTACATGAGCACACCAGTGGATACTACAGAGTGTATCTATTTCTTTGGGAAATTGCT
 GGCTGAGCTAATACCCAGGAGGCTTTTGGCAAGTACTGTATTTCTCTAATAACATATGCATAGCAGGA
 GTAAAAATGAGTATGAAGTGTCTTCACTATGATATGTACCATCATGGTGTGGCTATTCTGCCAGTT
 CCCTGCCATTGTCCATAGGAGCTGGGAGAAATGCAGTGGCTGTTCAACACTGCTGTGACCATCTACTT
 TGTGTTATGCTGTTTTTTTCAAGTCTATCACTATATTCTGGAAGCTTCTGCCTAAGCTCTCATGGATT
 CAGTACTTTAGCATTCTCATTATGGATTAGGGCTCTGCTGCATAATGAATTCCTGGGACAAAACCTTTT
 GTCCAGAACACACAGAGAAGTCACTAGATGCCATAACTATGTTATGTACTGGTGAAGAATTCTT
 GATGATCCAGGGCATTGATCTCTCATCGTGGGGCTTCTGGGAGAATCACCTGGCTTTAGTTTGTACAATG
 ATTATCTCTTAACAATTACCTATGTGCAGTTATTACAGGTTAAGAATATTAGAAATTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030239

Insert Size: 1953 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_030239.2</u> , <u>NP_084515.2</u>
RefSeq Size:	3034 bp
RefSeq ORF:	1953 bp
Locus ID:	27405
UniProt ID:	<u>Q99P81</u>
Cytogenetics:	5 50.68 cM
Gene Summary:	The protein encoded by this gene is a member of 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. It lacks several highly conserved residues found in other ATP-binding proteins; this suggests that this protein may not bind ATP and may require dimerization with another subunit to form a functional ATP-transporter. The function of this gene has not yet been determined; however, high levels of expression in the thymus and spleen suggest a potential role in the transport of specific peptides or hydrophobic compounds from lymphocytes. [provided by RefSeq, Jul 2008]