

Product datasheet for **SC217297**

ABCG2 (NM_004827) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ABCG2 (NM_004827) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ABCG2
Synonyms:	ABC15; ABCP; BCRP; BCRP1; BMDP; CD338; CDw338; EST157481; GOUT1; MRX; MXR; MXR-1; MXR1; UAQTL1
ACCN:	NM_004827
Insert Size:	1995 bp



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Insert Sequence: >SC217297 3'UTR clone of NM_004827
 The sequence shown below is from the reference sequence of NM_004827. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAATTGTTATTTCTTAAAAAATATTCTTAAATTTCCCTTAATTCAGTATGATTTATCCTCACATAAAA
AAGAAGCACTTTGATTGAAGTATTCAATCAAGTTTTTTGTTGTTTTCTGTTCCCTTGCCATCAGACTG
TTGCACAGCAGCAATTGTTTTAAAGAGATACATTTTTAGAAAATCACAACAACTGAATTAACATGAAA
GAACCCAGACATCATGTATCGCATATTAGTTAATCTCCTCAGACAGTAACCATGGGGAAGAAATCTGG
TCTAATTTATTAATCTAAAAAGGAGAATTGAATTCTGGAACTCCTGACAAGTTATTACTGTCTCTGG
CATTTGTTTCTCATCTTTAAAAATGAATAGGTAGGTTAGTAGCCCTTCAGTCTTAATACTTTATGATGC
TATGGTTTGCCATTATTTAATAAATGACAAATGTATTAATGCTATACTGGAAATGAAAAATGAAAAATA
TGTTGGAAAAAGATTCTGTCTTATAGGGTAAAAAAGCCACCGTATAGAAAAAAATCTTTTTGATA
AGCACATTAAGTTAATAGAACTTACTGATATTCTGTCTAGTGGTATAATATCTCAGGAATCTTGCT
GAGGGTTTGAACTGTGGGTAGAGTAGAGGGCCAGGAGTCCAGTAATAGAATTCTTGACACATTTCTGG
AACATTCTAGCTCTGGGAGGTCACGTAACCTTCTTGGGGTAGTTCAGTGGTTTAGTGGTTTATAATCCA
GGTGTGCGTCAGAATCATCTGAGGAACTTTGCTAAAAACAAAACTGGCCCTAAGTAGCTCCAGATCT
ACCTTCATAAAGGAATCTGACCACTCCTGGATTTGGTAATTTCCAAGTTCGAAAATTTACTTAGGAT
TTAATAACTATTAACATCTGTCCCTACATAGGTTTTCTTCTACTTATATACCTTATGTTCTCTCAT
TCTAACCTTCATCAGTAATAGGGAAATGTTTTAATTTTATTTTTTAGTTGAAGGGTAATGTACCAAAA
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GAAATGACACTTGATGTATTTCCCTCTGTTGCTGTTATGAGAACATTGCTACAGCCAAGTGTGTGTTT
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AGATTGACAGAAAAGTTGCAAAGATAGTGAGGAAAGTTCTGTCTACTCTTTGCTCAGCTTCCCTTAAT
GTTAACATTTTATATAGCAAGATGCATTTGTCAAAGCTAACAAGTTAACATTGGTACAATCACTGTTAA
TTAACTGCACACAATATTCAGATTTCCCACTTTTCCACTAATATTCTTTCATTGTTCTAGGATCAA
TTCAGGAGACCACATTTCTAGCCCTCTTTTTTAAAAGTAAATACTTTTCAGCACTTACAGGAGTTA
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TTTTCTTTTTGGATGACATTTGATTAATGCGTCATCTTGGAAACACATTATCTTTTTTCTGGTTATGTG
ATCAGGAAGATTAATCAGTTTTTCTGTCTTGGTATAATTCCTGCTTTTACATACCTGTCCCTTACA
GTTCTCTATATATACCCTTCCCTTATTACACAGAGAGAAATATCTATCTATACTTTTACACAAAATAT
ACTTCAAAGAAACAAAACAGCCACAATTATTAACTTTTTAAATAAATGAGAATTTAATTATA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004827.3](#)

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, this protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. It likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. Significant expression of this protein has been observed in the placenta, which may suggest a potential role for this molecule in placenta tissue. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Locus ID:

9429

MW:

78