

Product datasheet for RN205358

Abcb4 (NM_012690) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb4 (NM_012690) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcb4
Synonyms:	Mdr2; Pgy3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205358 representing NM_012690 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTTGAGGCAGCAAGAAACGGAACAGCGCGGCCCTGGACGGCGACTTTGAACTAGGCAGCATCA
GCAACCAGAGCAGAGAAAAAGAAGAAAGTGAATTTAATTGGCCGTTGACACTGTTCCGATACTCTGA
TTGGCAGGATAAATTGTTTATGCTCCTGGGCACCGCCATGGCCATAGCTCACGGATCAGGCTTCCCTT
ATGATGATAGTCTTTGGAGAAATGACAGATAAGTTTGTAGATAATGCTGGGAACCTTTTCCCTGCCAGTGA
ATTTTTTCAATTGTCAATGCTAAATCCAGGAAGAATTCTGGAAGAAGAAATGACTAGATATGCATACTACTA
TTCCGGGACTAGGTGGTGGAGTCTTTTGGCTGCCTATATCCAAGTCTCCTTCTGGACTTTGGCAGCTGGC
CGACAAAATAAGGAAAAATCAGGCAAAAATTTTTTTCAGCCATCCTTCGACAAGAAATGGGCTGGTTTGATA
TCAAGGGCACCACCGAATCAACACGCGGCTGACAGATGACATCTCCAAAATCAGTGAAGGAATTGGTGA
CAAGGTTGGAATGTTCTTTCAAGCAATAGCCACGTTTTTTCAGGATTTCATAGTGGGTTTCATCAGAGGC
TGGAAACTCACCTCGTGATCATGGCCATCACCGCCATCTGGGGCTCTACAGCCGTTTGGGCAAAGA
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GGGAGCCATCAGGACCGTGATAGCTTTTCGGGGCCAGAACAAGAGCTAGAAAGGTATCAGAAGCATTTA
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ATTCATCGGCGTGGTGAAGTCAAGAGCCGCTACTGTTCTCTACCACGATTGCTGAAAATATCCGCTATGGC
CGTGGGAATGTAACAATGGATGAGATTA AAAAGCTGTCAAAGAGGCTAATGCCTATGACTTCATCATGA



AACTGCCACAGAAATTTGACACCCTGGTTGGTGACAGAGGGGCGCAGCTGAGCGGGGACAGAAACAGAG
 GATCGCCATTGCTCGTGCCTTGGTCCGCAACCCCAAGATCCTCCTGCTGGACGAGGCCACGTGAGCCTTG
 GACACAGAAAGCGAAGCTGAGGTGCAGGCCGCTCTGGATAAGGCCAGAGAAGGCCGACCACCATCGTGA
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 TGGTCTTACCTCATTGTGAATGGACACATGCGCTTCAAGGATGTCATCCTGGTGTCTCAGCAATCGTG
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 CATACTTATTCAGTCTGTTTGAAGACAACCTCTGATTGACAGCTACAGCAGAGAAGGAATGTGGCCGGA
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 CAGCCTCGGGTCTACTGCTGGATGAAGCCACGTGGCTTTGGACTGAGAGTAAAAGGTCGTCCAGG
 AAGCGCTGGCAAAGCCAGGGAAGGCCGACCTGCATTGTGATCGCGCACCGCCTGTCCACCATCCAGAA
 CGCAGACTTGATCGTGGTATCGACAACGCAAGGTCAAGGAGCACGGCACCCACCAGCAGCTGCTGGCC
 CAGAAAGGCATCTATTTCTCATGGTCAACATTCAAGCTGGCACACAGAACTTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_012690

Insert Size:

3837 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: [NM_012690.2](#), [NP_036822.1](#)

RefSeq Size: 3910 bp

RefSeq ORF: 3837 bp

Locus ID: 24891

UniProt ID: [Q08201](#)

Cytogenetics: 4q12

Gene Summary: energy-dependent efflux pump; may be involved in changes in bile formation in response to diabetes [RGD, Feb 2006]