

Product datasheet for RN211590

Abcb11 (NM_031760) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb11 (NM_031760) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcb11
Synonyms:	Bsep; Spgp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211590 representing NM_031760 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGACTCAGTGATTCTTCGCAGCGTGAAGAAATTTGGAGAGGAGAATCATGCTTTCGAATCAGATG
GATCACATAACAATGATAAGAAATCAAGGTTACAAGATAAGATGAAGGAGGGAGACATTCGAGTTGGCTT
CTTTGAACTGTTTCGATTTTCTTCATCAAAGACATCTGGCTGATGCTTATGGGAGCGTATGCCATTG
CTACATGGAATGGCCAGCCAGGCATACCTATTATTTTTGGTATAATGACAGATATTTTTATTAATATG
ACATTGAAAGGCAAGAAGCTCGAGATACCGAGAAAGCGTGTGTGAATAACACCATTGTATGGATCAACAG
CTCCTTCCACCAGAACATGACAAACGGAACAGTCTGTGGGTTGGTGGACATTGAAAGTGAATGATCAAA
TTCTCTGGCATCTACGCAGGAGTCGGCATGACCGTACTTATCCTTGGATACTTTCAAATAAGGTTATGGG
TCATCACTGGGGCTCGTCAGATAAAGGAGAATGAGGAAAATTTACTTCCGGAGAATAATGAGAATGAAAAT
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GACGCCATTGCCGACCAGTTGGCTATTTCTCCAGCGCATGTCGACGGCTATGTGTGGGTTACTTTTAG
GGTCTACAGGGGTTGAAACTAACCTTGGTGATTCTTGTGTGACCCCTCATTGGCATTGGGGCAGC
CGTCATAGGTCTGAGTATAGCCAAGTTCACGGAGCTTGAAGGCTTATGCCAAAGCGGGTCTATT
GCTGATGAAGTCTCATCTATTGAAACAGTGGCCGCTTTTGGTGGTGAACAAGAGGTTGAAAGGT
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GTACATGTGGTGTCTCATTTTCTTCTGTTATGCACTGGCCTTCTGGTATGGTCCACACTGTCTAGAT
GAAGAAGAGTATACACCAGGGACTGGTCCAGATTTTCTCTGTGTCATATTAGCAGCTATGAATATTG
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AGACAGGCAACCTGTCTTACTGCATGTCAGGAGACGGCTACAAGCTAGACCGAATCAAGGTTGAAAT
GAGTCCACAATGTGACCTTCCATTATCCTTCTAGACCGACGTGAAGATTTAGATAACCTCAGCATGG
TCATAAAGCCAGGGAAACGACGGCTCTGGTGGGATCCAGTGGGCTGGGAAGAGTACAGCATTACAGCT
CATTGAGAGATTCTATGACCCCTGTGAAGGCATGGTACTCTGGACGGCCATGACATTGCTCTCTTAAC



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ATCCGGTGGCTGAGAGATCAAATCGGGATCGTGGAACAGGAGCCCGTTCTGTTCTCCACCACTATCGCAG
 AAAACATCCGTTTTGGCAGAGAAGATGCAACAATGGAAGACATAGTCCAAGCTGCCAAGGATGCTAATGC
 ATACAACCTCATTATGGCCCTGCCGACGAATTTGACACCCTTGTGGAGAAGGAGGAGGCCAGATGAGT
 GGTGGTCAGAAGCAAAGAGTAGCCATTGCCGAGCCCTCATACGGAATCCAAGATCTTGCTTCTGGATA
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 AAGACAGCAAGGACAATGACGTGCTTGTGGAAGAAGTTGAACCTGCCCCAGTTAGGAGGATTCTAAAATA
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 CTGGCTTTATCGGGAGCTGTACAGACAAAAATGTTGACGGGATTCGCTTCTCAAGACAAGCAAGCTCGG
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 AAGATTTATTAAGCATTGAGGTTGAGCTCCAGACATCATACAAGACTGCTGTGAGGAAGGCGAATATC
 TATGGACTCTGCTTTGCCTTTCCAGGGGATAGCATTCTTGCAAATCCGCTGCCTATAGATATGGAG
 GTTACTTAATAGCCTACGAAGGCTGGGCTTCCAGCCAGTTTTCCAGGGTGGTCTCTTTCAGTTGATTGAG
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 TTTTTTCAACTGCTAGATCGGAAACCTCCAATTAATGTGTACAGTGAAGCAGGTGAAAAATGGGACAACT
 TCCAAGGGAAGATTGATTTTATTGACTGTAATTTACGTATCCTTCTCGACCCGATATTCAAGTTCTGAA
 TGGTCTCTCAGTATCTGTTAATCCTGGGCAGACGCTGGCATTGTTGGAAGCAGTGGGTGTGCAAAAAGC
 ACCAGCATTAGCTGTTGGAACGGTCTATGATCCCGATCAGGGAATGTGATGATAGATGGTATGACA
 GCAAAAAAGTCAACATTCAGTTCCTCCGTTCCAACATCGGGATTGTCTCCAGGAGCCAGTGTGTTTGA
 CTGTAGCATAATGGACAACATCAAGTACGGGGACAACACTAAAGAGATCTCCGTGGAGAGGCCATAGCT
 GCTGCAAAGCAGGCTCAGCTGCATGACTTCGTCATGTCGCTCCCAGAGAAATATGAAACTAATGTTGGGA
 TCCAGGGCTCTCAGCTCTCTCGTGGAGAGAAACAACGCATTGCTATTGCTCGGGCCATTGTGCGAGATCC
 TAAAATCTTACTACTGGATGAAGCTACGCTGCCTAGACACAGAAAGTAAAAGACAGTGCAGACTGCT
 CTGGACAAAGCCAGAGAGGGTCGGACCTGCATTGTATTGCTCATCGTTTGTCCACCATCCAGAACTCAG
 ATATCATTGCTGTGTCGTGTCACAAGGAGTGGTATTGAAAAAGGGACCCATGAGAACTGATGGCCAGAA
 GGGAGCCTACTACAAGCTGGTATCACTGGAGCCCCCATCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms: https://cdn.origene.com/chromatograms/ja3798_e04.zip
- Restriction Sites: SgfI-MluI
- ACCN: NM_031760
- Insert Size: 3966 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_031760.1](#), [NP_113948.1](#)

RefSeq Size: 5036 bp

RefSeq ORF: 3966 bp

Locus ID: 83569

UniProt ID: [O70127](#)

Cytogenetics: 3q21

Gene Summary: acts as an ATP-dependent bile salt export pump; transports taurochenodeoxycholate, taurocholate, and other bile salts [RGD, Feb 2006]