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Product datasheet for MC224249

Abcc4 (NM_001033336) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc4 (NM_001033336) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcc4
Synonyms:	ABCC4-N1; D630049P08Rik; MOATB; MRP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224249 representing NM_001033336 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGCCGGTGCACACCGAGGTGAAACCCAACCCGCTGCAGGACGCCAACCTCTGCTCGCGCGTGTTCT TCTGGTGGCTCAACCCGCTGTTTAAAACTGGTCATAAGCGGAGACTGGAAGAAGATGACATGTTCTCAGT GCTTCCAGAAGATCGCTCAAAGCACCTCGGAGAGGAGCTTCAACGGTACTGGGATAAAGAACTTCTGCGA GCCAAGAAGGACTCGAGGAAGCCCTCCTTAACAAAGGCAATCATAAAGTGTTACTGGAAGTCTTACCTGA TTTTGGGAATTTTTACGTTAATTGAGGAGGGCACTCGAGTAGTTCAGCCCTTATTTTTAGGGAAAATTAT TGAATATTTTGAGAAGTATGACCCCGACGACTCGGTGGCTTTGCATACAGCTTATGGCTACGCAGCAGTG CTGTCCATGTGCACGCTCATCCTGGCCATACTACATCATTTGTACTTCTACCACGTGCAGTGCGCCGGGA TGAGGCTGCGGGTTGCCATGTGCCACATGATTTACCGGAAGGCACTCCGGTTAAGTAACTCGGCCATGGG GAAGACAACCACAGGCCAGATAGTTAACCTGCTGTCCAACGACGTGAACAAATTCGACCAAGTGACAATC TTCTTGCACTTTCTGTGGGCAGGGCCGCTGCAGGCCATCGCGGTAACCGTCCTCCTCTGGGTGGAGATAG GAATCTCCTGCCTGGCGGGCTTGGCCGTTCTGGTTATTCTTCTGCCTCTGCAAAGCTGCATCGGGAAGCT GTTCTCGTCACTGCGGAGTAAAACTGCGGCTTTCACGGATGCCAGGATCCGGACCATGAATGAAGTCATA ACAGGCATGAGGATAATAAAGATGTATGCGTGGGAGAAATCGTTTGCTGACCTCATTGCCAATCTGAGAA AGAAGGAGATTTCCAAGATTCTGGGCAGCTCCTACCTCAGAGGGATGAACATGGCGTCGTTTTTCATCGC AAACAAAGTCATCCTGTTCGTGACCTTCACTAGCTACGTGCTGCTTGGCAATGAGATTACAGCTAGCCAC GTGTTTGTGGCCATGACTCTGTACGGTGCCGTTCGGTTGACAGTCACCCTCTTCTTCCCGTCAGCCATTG AGAGAGGGTCAGAGGCCATCGTCAGCATTCGGAGGATCAAGAACTTTCTGTTACTCGATGAACTACCACA GCGCAAAGCCCATGTACCATCTGATGGCAAAGCCATTGTCCACGTGCAAGATTTCACCGCTTTCTGGGAC AAGGCACTAGACAGTCCAACCCTGCAAGGTCTTTCCTTTATTGCCAGGCCTGGTGAGTTGTTAGCCGTGG TTGGCCCAGTTGGAGCAGGCAAGTCGTCGCTGTTGAGCGCAGTGCTGGGTGAGCTGCCTCCTGCCAGCGG GCTGGTCAGCGTGCACGGGAGGATCGCCTACGTTTCTCAGCAGCCCTGGGTGTTCTCGGGCACCGTGAGG AGCAATATTTTATTTGGGAAGAAATATGAGAAGGAGCGATATGAGAAAGTGATCAAGGCCTGTGCTCTGA

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AGAAGGACCTGCAGCTTCTGGAGGACGGGGATCTGACGGTTATAGGAGACCGGGGAGCCACGCTGAGTGG
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TCACCGAAACAGCAAAACAGGTATACTTCAGACGGAATTACCCAGATATTACATTCACCAGCCCCGCGGT
TATGAACACCTCCAATGGACAGCCCTCGGCCTTAACAATATTTGAAACAGCATTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033336

Insert Size: 3978 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_001033336.3, NP_001028508.2

RefSeq Size: 5729 bp

RefSeq ORF: 3978 bp

Locus ID: 239273

UniProt ID: Q3TZN9

Cytogenetics: 14 E4

Gene Summary: ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Transports a range of endogenous molecules that have a key role in cellular communication and signaling, including cyclic nucleotides such as cyclic AMP (cAMP) and cyclic GMP (cGMP), bile acids, steroid conjugates, urate, and prostaglandins. Mediates also the ATP-dependent efflux of glutathione conjugates such as leukotriene C4 (LTC4) and leukotriene B4 (LTB4). The presence of GSH is necessary for the ATP-dependent transport of LTB4, whereas GSH is not required for the transport of LTC4. Mediates the cotransport of bile acids with reduced glutathione (GSH). Transports a wide range of drugs and their metabolites, including anticancer, antiviral and antibiotics molecules (Probable). Confers resistance to anticancer agents (Probable).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).