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Product datasheet for MC220167

Abcd3 (NM_008991) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcd3 (NM_008991) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcd3
Synonyms:	AI313901; AU018866; AW146054; PMP; PMP68; PMP70; Pxm; Pxmp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC220167 representing NM_008991
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCTTCAGCAAGTACTTGACGGCACGGAACACCTCGCTGGCGGGGGCCGCGTTCCTGCTGCTCT
GCCTACTCCATAAGCGGCGTCGCGCCCTCGGCCTGCACGGTAAGAAAAGTGGAAAACCGCCATTACAGAA
TAATGAGAAAGAAGGAAAGAAAGAGCGAGCTGTGGTGGACAAAGTGTTTTTATCAAGGCTCTCACAGATC
CTAAAAATTATGGTTCCTAGAACATTTTGTAAAGAGACAGGCTACTTGTTACTTATTGCGGTTATGCTGG
TATCTCGAACATACTGTGATGTTTGGATGATTCAGAATGGGACGCTCATTGAGAGTGGCATCATTGGTCG
CAGCAGCAAAGATTTCAAGAGATACTTATTCAACTTCATCGCTGCCATGCCTCTTATCTCTCTGGTTAAT
AACTTCTTGAAGTATGGGTTAAATGAGCTCAAACTGTGCTTCCGAGTCAGGCTCACACGGTACCTCTACG
AGGAGTATCTCCAAGCTTTCACCTATTATAAAATGGGCAACCTGGATAACAGAATAGCAAATCCAGACCA
GCTGCTTACACAGGATGTAGAAAAATTTTGTAACAGTGTAGTCGATCTGTATTCAAATCTTAGTAAGCCA
TTTTTAGACATAGTTTTATATATTTTCAAGTTAACAAGTGCAATTGGAGCTCAGGGCCCGGCAAGCATGA
TGGCCTACTTGCTTGTTTCTGGGCTATTCCTAACTCGACTCAGAAGACCCATTGGTAAGATGACAATTAT
GGAGCAGAAGTACGAAGGAGAATACAGATACGTGAATTCACGGCTTATCACTAATAGTGAAGAAATTGCC
TTTTACAATGGGAATAAACGGGAGAAGCAGACAATCCACTCAGTCTTCCGAAAACTGGTGGAACACCTAC
ATAATTTCATTTTCTTTCGGTTTTCTATGGGTTTCATTGATAGCATCATTGCCAAATATGTTGCCACTGT
CGTCGGGTACCTGGTTGTCAGTCGCCCCTTCCTAGATCTGGCACACCCTCGCCACCTTCACAGCACACAC
TCAGAGCTGCTGGAGGATTACTACCAAAGTGGAAGGATGCTTTTGAGAATGTCTCAAGCTTTGGGTCGTA
TAGTTTTGGCTGGGCGTGAAATGACTAGATTGGCTGGTTTTACGGCTCGGATTACAGAATTAATGCAAGT
ACTAAAGGACTTAAATCATGGCAGATATGAACGTACAATGGTGTCACAACAGGAGAAGGGTATTGAAGGA
GCACAAGCTAGTCCCTTGGTCCCTGGTGCTGGAGAAATCATCAATACAGACAACATTATAAAGTTTGATC
ATGTTCCTTTAGCAACACCAAATGGTGACATCTTGATCCAAGACCTTAGTTTTGAAGTTCGATCTGGGGC
CAACGTTCTGATTTGTGGTCCAAACGGCTGTGGAAAGAGCTCCCTCTTCCGTGTTCTTGGTGAGTTATGG
CCTCTTTTTGGAGGGCGGCTTACTAAACCTGAGAGAGGAAAGTTATTTTATGTTCCTCAGCGACCCTATA
TGACCCTGGGAACACTGAGAGACCAAGTCATATATCCAGATGGAAAGGAAGATCAGAAGAAGAGGGGGAT
CTCTGACCAGGTGCTGAAGGAGTACTTGGACAATGTGCAGCTGGGTCACATCCTTGAGCGAGAAGGCGGC
TGGGACAGTGTTCAGGACTGGATGGATGTACTCAGCGGAGGAGAGAAACAAAGAATGGCGATGGCAAGAC
TGTTTTATCATAAACCCCAGTTTGCCATTTTGGATGAATGCACAAGTGCGGTCAGTGTGGATGTGGAGGA
CTACATTTACAGCCACTGTCGAAAGGTTGGCATCACCCTCTTTACCGTTTCACACAGAAAGTCCCTTTGG
AAGCACCACGAGTACTACCTGCATATGGATGGGAGAGGCAATTATGAATTCAAAAAGATCACAGAAGATA
CAGTTGAGTTCGGATCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008991

Insert Size: 1980 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_008991.2, NP_033017.2
RefSeq Size:	3399 bp
RefSeq ORF:	1980 bp
Locus ID:	19299
UniProt ID:	P55096
Cytogenetics:	3 52.94 cM
Gene Summary:	The membrane-associated 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 ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. [provided by RefSeq, Jul 2008]