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Product datasheet for MC224073

Atp13a3 (NM_001128096) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp13a3 (NM_001128096) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp13a3
Synonyms:	AU022875; Gm541; Gm542; Gm1745
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224073 representing NM_001128096
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAAAGAAGAAAGGAAGACTATCAACAAGGGTCAAGAAGATGAAATGGAGATACATGGCTATAACT
TATGCCGCTGGAAGCTTGCCATGGTTTTTGTAGGAGTGATTTGTACTGGTGGTTTTCTCCTCCTCCTCCT
CTACTGGCTGCCTGAGTGGCGAGTGAAAGCCACATGTGTTAGAGCTGCAGTTAAAGACTGTGAAGTGGTG
CTTCTCAGGACAACTGATGAATTTAGAGTATGGTTTTGTGCAAAAATTCACTTTCTTCCTGTGGAGAATC
AACCAAATTTGAATGCAAAATGTTTAGTTAATGAGGTTTCTAATGGCCATGCTGTTCATCTGACTGAAGA
AAATAGATGCGAGATGAATAAATACTCACAGAGTCAGTCACAACAGATGCGTTATTTTACCCACCATAGC
ATAAGATATTTCTGGAATGATGCCATTCACAATTTTGATTTCTTAAAGGGACTGGATGAAGGTGTATCTT
GTGCATCACTTTATGAAAAGCATAGTGCAGGACTGACACAGGGGATGCATGCCTACAGAAAGTTGATTTA
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TTTTACATTTTCCAGCTCTTCAGTGTTATCCTGTGGAGCGTTGATGAGTACTATTACTATGCTCTAGCCA
TTGTGATCATGTCCGTAGTATCCATTATAAGTTCACTATATTCCATTAGAAAGCAATATGTTATGTTACA
TGACATGGTGGCAACTCACAGTACCGTGAGAGTTTCAGTCTGTAGAGAAAATGAAGAAATAGAAGAGATC
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CAGTACTTATTAATGGTACTTGCATTGTAAATGAAAGCATGTTAACAGGAGAAAGTGTTCCAGTGACAAA
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CCATAGTAGTTAGAACAGGATTTAGTACTTCCAAAGGACAGCTTGTTCGTTCTATACTGTATCCCAAGCC
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AAGACTGAAAAAAGTTGGGATTTTCTGTATTAGTCCCCAGAGGATAAACATCTGTGGACAGCTGAACCTT
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GTTTGCTTTGACAAGACTGGAACTCTTACCGAAGATGGTTTAGATCTGTGGGGAATTCAGCGAGTGGAAA
ATACCCGATTTCTTTTACCAGAAGACAATGTTTGCAGTGAGATGTTGGTAAAATCTCAATTTGTTGCTTG
TATGGCTACTTGTCATTCACTTACAAAAATCGAAGGTGTACTTTCTGGTGACCCACTTGATTTGAAAATG
TTTGAAGCCATTGGATGGATTCTGGAAGAAGCAACTGAAGAAGAAACAGCACTTCATAACCGGATCATGC
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ATTAGCAGAGATGCCATTGAAAACAACATGGATTTTATGGGATTGATTATAATGCAGAACAAATTGAAGC
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ACACCCAGTATCTCCTGTGTGCCAAACCTTATCAGGGAAGGTCGTGCTGCTTTAATGACGTCCTTCTGTG
TGTTTAAATTTATGGCGTTATACAGCATCATCCAGTACTTCAGTGTTACTCTCCTGTATTCTATCTTGAG
TAACCTGGGAGACTTTCAGTTTCTCTTCATTGATCTGGCAATCATTTTGGTAGTAGTATTTACAATGAGT
TTAAATCCTGCCTGGAAAGAGCTTGTGGCACAGAGACCACCTTCAGGCCTTATATCTGGGGCGCTCCTCT
TCTCCGTCTTGTCTCAGATTGTGATCTCCGTTGGATTTCAGTCGCTGGGTTTTTTCTGGGTCAAGCAGTA
TAAAGTGTGCGATCCAAATTCAGATGTTTGTAATACAACAAGAAGCGCATGTTGGAACTCGTCACACTTA
TACAATGGGACTGAACTCGATTCGTGTAAAATACAAAATTATGAAAATACCACAGTATTTTTTATCTCCA
GTTTCCAGTACCTCACAGTGGCGGTTGCCTTTTCAAAAGGAAAACCATTCAGGCAGCCTTGCTACAAGAA
TTATTTTTTTGTTATATCTGTGATTATTTTGTATGTTTTCATATTATTCATCATGTTGCATCCAGTTGCC
TCTGTTGACCAGGTTCTTGAGATTATGTGTGTACCATACCAGTGGCGCATATATATGCTTATCATTGTTC
TTATCAATGCCTTCGTGTCTATCACGGTGGAGAGCTTCTTCCTTGACACGGTCCTTTGGAAAGTTGTATT
CAATCGAGACAAACAAGGAGAGTGTCGTTTCAGCACCACACAGCCACCACAGGAGTCAGTGGATCGGTGG
GGAAAATGCTGTTTGTCCTGGGCCCTGAGCTGTAGAAAGAAAACTCCAAAAGCAAAGTACATGTACTTAG
CACAGGAGCTCCGCTTTGATCCTGAGTGGCCGCCTAAACCTCAGACAACGACGGAAGCCAAAGCTGTAGT
AAAGGAGAATGGATCATGTCAGATTATCACCATAGCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001128096

Insert Size: 3750 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).

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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_001128096.1, NP_001121568.1
RefSeq Size:	7310 bp
RefSeq ORF:	3750 bp
Locus ID:	224088
UniProt ID:	Q5XF89
Cytogenetics:	16 B2
Gene Summary:	ATP-driven pump involved in endocytosis-dependent polyamine transport. Uses ATP as an energy source to transfer polyamine precursor putrescine from the endosomal compartment to the cytosol.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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