

Product datasheet for **MC222738**

Atp2c2 (NM_026922) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2c2 (NM_026922) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp2c2
Synonyms:	1810010G06Rik; mKIAA0703; Spca2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222738 representing NM_026922
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGAGACGCCTCAAGTTTCTGCAGAACTGGCCTTCTTGGGCCAGAACCACCGGTACAAGGCGCTGG
 AGAGGGACGAGGTGGAGACCCTGATTGATGAACAGTGCAGAGCTGAAAGCTATCGAGAGAGAAAAGACCGT
 CGCTGCTCTGCCGCCGGGAAGCTTGCAAATGCAGCAGAGAGGAGCTGGCCAGAGCCTTCCATGTGGAC
 CTGGACAGCGCCTGTCAGAATTTGCAAGTGGCCAGCGCAGGCTGGTCCATGGGTGGAACGAGTTTGTCA
 CAGATAACGCTGAGCCCGTGTGGAAGAAAACCTGGATCAGTTCAGGAACCCCTAATTCTGCTGCTGCT
 GGGCTCATCCGTGGTGGAGCTCCTACCAAGAATATGAGGATGCTGTCAGCATCGCCCTGGCAGTTCTC
 ATCGTGGTGACCGTTGGCTTCCAGGAATACAGGTCCGAGAAGTCTCTGGAAGAGCTACCAAGCTGG
 TACCCCCAGAGTGCAACTGCCTGAGAGACGGCAAACCTCCGGCACATGCTCGCACGAGACCTGGTTCCAGG
 AGACATTTGTCTTGTCCATGGGAGATCGGATCCCTGCTGACATCCGACTCACCAGGTCACAGATCTC
 CTGGTGGATGAATCCAGCTTACAGGCGAAGTGGAGCCATGCGGCAAAACAGACAGCCCACTGGCTGACG
 GTGGGGATCTCAGCACCTGAGCAACGTGGTCTTTCATGGGGACGCTGGTGCAGTGCGGGAAGGGTACGGG
 AGTTGTGATCGGAACCGGGGAACAGTCTCAGTTTGGAGAAGTTTTCAAGATGATCGCGGCAGAAAGAGACA
 CCTAAAACGCCGCTGCAGAAGAGCATGGACAAGCTGGCAAGCAGCTAACAACTTTTTCCTTTGGCATCA
 TCGGTCTCCTGATGCTGGTTGGCTGGGTGCAAGGGAAGCCCTTCTCAGCATGTTCACTGTCCGGGTGAG
 CCTGGCGGTGGCAGCCATTCCAGAGGGGCTGCCATCGTTGTGATGGTGCAGTGGTCTGGGGGTGCTG
 CGGATGGCGAAGAAGCGGGTTCATCGTGAAGAAGCTGCCATTGTAGAGACTCTTGGTTGCTGTAATGTCA
 TCTGCTGACAAGACAGGCACCTGACAGCCAAACGAAATGACAGCCACTCAGTTGTACATCATGATGAG
 GTTCCATGCCGAGGTGAGTGGTGTGCGGATACAGCGGAGAAGGGACTGTGTGCTTCTGCCATCTAAGGAA
 GTAATCAAAGGATTTGACAACGTGTCAGTGGGGAAGCTGGTGGAGGCAGGCTGCGTGGCCAAACAGCTG
 TCATCAGGAAGAAGCCGTAATGGGGCAGCCACAGAAGGGCCCTGGTGGTGTGGCCATGAAGATGAA
 CTTAGGCAGCATCAAAGATTCCTATGTACGGAAAAAGGAAATTCCTTCAGCTCAGAGCAGAAGTGGATG
 GCAGTCAGGTGCGGCCGGAAGAGCGAGGATGGGGAAGACATTTACTTCATGAAGGGGGCCTTTGAGGAAG
 TGATCCATCACTGCAGCATGATAACAATGGGGGCATCCCTGCCTCTGACACCCAGCAGAAGTCCATA
 CTGCCAGCAGGAAGAAGAAGATGGGCTCGCTGGCCTGCGGGTGTGGCCCTGGCGTCTGGACCTGAG
 CTGGGGAGACTGACATTCCTGGGTCTCGTGGGCATCATCGACCCACCAAGGGCTGGTGTGAAGGAAGCGG
 TCCAGGTCTCTGAGTCTGGTGTGTCGGTTAAGATGGTGCAGGGGATGCTCTGGAGACCGCCTTGGC
 CATAGGAAGAACCATCGGCCTGTGCAACGAGAACTGAAAGCTATGTCCGGGGAGGAGGTGGAAGGCACG
 GAGCAGGGTGCCTAGCAGCCCGAGTGGAGCAGGTGTCTGTGTTCTTTCAGGACCAGCCAAAGCACAAGG
 TAAAAATCATAAAGCGTTGCAGGAGTCCGGGGCAATTGTAGCCATGACGGGGATGGTGTGAATGACTC
 CGTTGCCCTGAAGTCTGCGGACATCGGGATCGCCATGGGACAGACAGGGACAGATGTGAGCAAAGAGGCA
 GCCAACATGATCCTGGTGGATGACGACTTCTCGGCCATCATGAGCGCAGTGGAGGAAGGCAAGGGCATCT
 TCTACAACATCAAGAACTTTGTCCGTTTCCAGCTGAGCAGGAGCATCGCAGCCCTGAGCCTCATCACCT
 GTCCACCGTGTGTAACCTGCCAGCCCCCTCAACGCCATGCAGATCCTGTGGGTCAACATCATCATGGAC
 GGGCCCGCAGCGCAGAGCCTTGGGGTGGAGCCTGTGGACAGAGACGCCCTGCGGAGGCCTCCACGAGTG
 TCGGGGACACGATCCTGAACAGAGCCCTGATCCTGAGGGTCTCATGTCCGCCGCTGTATCATAGGGGG
 GACCCTCTTTATCTTCTGGAGAGAGATCCAGCGAACGGCACCAGCACCCACGTAACAACCACCATGGCC
 TTCACCTGCTTCTGTTTTTTCGACCTCTCAATGCCCTGAGCTGTGCTCTCAGACCAAGCTGATATTTG
 AGATTGGCTTTTTCCGGAACCGCATGTTCTGTACTCAGTCTTGGTCCCTCCTGGGGCAGCTGGCCGT
 GATCTATGCCCGCCCTACAAAAGGTCTTCCAGACTGAAAACCTGAGCGCGCTCGACCTGCTGCTGCTG
 ACGGGCCTGGCCTCGTCTGTCTTATTCTGTGCGAGCTGCTCAAGCTCTGGGAAAAGTTCTGTCCAGAG
 CCAGGCCACTCAGATGCTCCCGAAGCTGTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_026922
Insert Size:	2835 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:	<ol style="list-style-type: none">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_026922.1 , NP_081198.1
RefSeq Size:	3223 bp
RefSeq ORF:	2835 bp
Locus ID:	69047
UniProt ID:	A7L9Z8
Cytogenetics:	8 E1
Gene Summary:	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium.[UniProtKB/Swiss-Prot Function]