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Product datasheet for SC204569

ATP1A4 (NM_001001734) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATP1A4 (NM_001001734) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP1A4
Synonyms:	ATP1A1; ATP1AL2
ACCN:	NM_001001734
Insert Size:	311 bp
Insert Sequence:	>SC204569 3'UTR clone of NM_001001734 The sequence shown below is from the reference sequence of NM_001001734. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGCTGGGTGGAAAGGGAGACGTACTACTAAACTCAGCAGATGAAGAGCTTCATGTGACACAGGGGTGTT GTGAGAGCTGGGATGGGGCCAGAGATTATAAGTTTGACACAACATCTGAGACACTAGGATGAATTATCT TGGATGAGAAAGATGGGCAATCCTGGGCTGGCTTGAGGGAATCATGGGCAGAGGATGAGGTGGGCTGAA GGGAAGCCCAGCCTGCATCTAGCTGGAGCCCCGCAGGGAGGGGCATGGTCCTGCTGAATCCCGTAGCCA GTCTAGACAGTAAATGTCTGGAAAAGCCCTCACCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001001734.2

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Summary: The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 4 subunit. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Locus ID: 480

MW: 11.6