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Product datasheet for SC204589

Sodium Potassium ATPase (ATP1A1) (NM_000701) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Sodium Potassium ATPase (ATP1A1) (NM_000701) Human 3' UTR Clone
Symbol:	Sodium Potassium ATPase
Synonyms:	CMT2DD; HOMGSMR2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000701
Insert Size:	360 bp
Insert Sequence:	>SC204589 3'UTR clone of NM_000701 The sequence shown below is from the reference sequence of NM_000701. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGCTGGGTGGAGAAGGAAACCTACTATTAGCCCCCCGTCCTGCACGCCGTGGAGCATCAGGCCACACAC TCTGCATCCGACACCCACCCCCTCTTTGTGTACTTCAGTCTTGGAGTTTGGAACTCTACCCTGGTAGGA AAGCACCGCAGCATGTGGGGAAGCAAGACGTCCTGGAATGAAGCATGTAGCTCTATGGGGGGAGGGGGG AGGGCTGCCTGAAAACCATCCATCTGTGGAAATGACAGCGGGGAAGGTTTTTATGTGCCTTTTTGTTTT TGTAAAAAAGGAACACCCGGAAAGACTGAAAGAATACATTTTATATCTGGATTTTTACAAATAAAGATG GCTATTATAATGGAA 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.

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RefSeq:	NM_000701.8
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 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Locus ID:	476
MW:	13.2