

Product datasheet for **SC204588**

Sodium Potassium ATPase (ATP1A1) (NM_001160233) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Sodium Potassium ATPase (ATP1A1) (NM_001160233) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP1A1
Synonyms:	CMT2DD; HOMGSMR2
ACCN:	NM_001160233
Insert Size:	360 bp
Insert Sequence:	>SC204588 3'UTR clone of NM_001160233 The sequence shown below is from the reference sequence of NM_001160233. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGCTGGGTGGAGAAGGAAACCTACTATTAGCCCCCGTCCCTGCACGCCGTGGAGCATCAGGCCACACAC TCTGCATCCGACACCCACCCCTCTTTGTGTACTTCAGTCTTGGAGTTTGGAACTCTACCCTGGTAGGA AAGCACCGCAGCATGTGGGGAAGCAAGACGTCCTGGAATGAAGCATGTAGCTCTATGGGGGAGGGGGG AGGGCTGCCTGAAAACCATCCATCTGTGAAATGACAGCGGGAAGGTTTTTATGTGCCTTTTTGTTTT TGTAAAAAAGGAACCCCGAAAGACTGAAAGAATACATTTTATCTGGATTTTACAAATAAAGATG GCTATTATAATGGAA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_001160233.2</u>



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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 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