

Product datasheet for SC121946

FXYD2 (NM_001680) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXYD2 (NM_001680) Human Untagged Clone
Tag:	Tag Free
Symbol:	FXYD2
Synonyms:	ATP1G1; HOMG2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC121946 sequence for NM_001680 edited (data generated by NextGen Sequencing) ATGACTGGGTTGTCGATGGACGGTGGCGGCAGCCCAAGGGGGACGTGGACCCGTTCTAC TATGACTATGAGACCGTTCGCAATGGGGCCTGATCTTCGCTGGACTGGCCTTCATCGTG GGGCTCCTCATCCTCCTCAGCAGAAGATTCCGCTGTGGGGCAATAAGAAGCGCAGGCAA ATCAATGAAGATGAGCCGTAA Clone variation with respect to NM_001680.4
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001680 unedited GCACGAGGAAGAGGGGAGTGGAGGCAGCCATTACCTGGGGAAATGACTGGGTTGTCGA TGGACGGTGGCGGCAGCCCAAGGGGGACGTGGACCCGTTCTACTATGACTATGAGACCG TTCGCAATGGGGCCTGATCTTCGCTGGACTGGCCTTCATCGTGGGGCTCCTCATCCTCC TCAGCAGAAGATTCCNCGGTGGGGCAATAAGAAGCGCAGGCAAATCAATGAAGATGAGC CGTAACAGCAGCCTCGGCGGTGCCACCCACTGCACTGGGGCCAGCTGGGAAGCCAAGCAT GGCCCTGCCTCTGGCGCCTCCCCTTCTCCCTGGGCTTTAGACCTTTGTCCCCGTCAGT CCAGCGCTTGGGCTGAAGGAAGCTCCAGACTCAATGTGACCCCAAGGTGGCATCGCCAAC TCTGCCTCGTGCCACCTCATGCTTATAATAAAGCCGGCGTCAGAGACCGCTGCTCCCT CN
Restriction Sites:	NotI-NotI
ACCN:	NM_001680
Insert Size:	650 bp



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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).
RefSeq:	NM_001680.3 , NP_001671.2
RefSeq Size:	546 bp
RefSeq ORF:	201 bp
Locus ID:	486
UniProt ID:	P54710
Domains:	ATP1G1_PLM_MAT8
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	<p>This gene encodes a member of the FXYD family of transmembrane proteins. This particular protein encodes the sodium/potassium-transporting ATPase subunit gamma. Mutations in this gene have been associated with Renal Hypomagnesemia-2. Alternatively spliced transcript variants have been described. Read-through transcripts have been observed between this locus and the upstream FXYD domain-containing ion transport regulator 6 (FXYD6, GeneID 53826) locus.[provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (a) represents the most predominant transcript and encodes isoform 1.</p>