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Product datasheet for SC201619

FXYD1 (NM_005031) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FXYD1 (NM_005031) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FXYD1
Synonyms:	PLM
ACCN:	NM_005031
Insert Size:	252 bp
Insert Sequence:	>SC201619 3'UTR clone of NM_005031 The sequence shown below is from the reference sequence of NM_005031. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ATCCGCCGTCTGTCCACCCGCAGGCGGTAGAAACACCTGGAGCGATGGAATCCGGCCAGGACTCCCCTG GCACCTGACATCTCCCACGCTCCACCTGCGCGCCCACCGCCCCCTCCGCCGCCCCTTCCCCAGCCCTGC CCCCGCAGACTCCCCCTGCCGCCAAGACTTCCAATAAAACGTGCGTTCCTCTCGACAGCACTTTGTCGG TCTCGGTCCCTCAGCGCGAAACGCCAGCGCCACTGGGCCCCAGCA 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_005031.5

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Summary: This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Mouse FXYD5 has been termed RIC (Related to Ion Channel). FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity. Transcript variants with different 5' UTR sequences have been described in the literature. [provided by RefSeq, Jul 2008]

Locus ID: 5348

MW: 9.7