

## Product datasheet for **SC205191**

### **FXYD7 (NM\_022006) Human 3' UTR Clone**

#### **Product data:**

**Product Type:** 3' UTR Clones  
**Product Name:** FXYD7 (NM\_022006) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** FXYD7  
**ACCN:** NM\_022006  
**Insert Size:** 416 bp  
**Insert Sequence:** >SC205191 3'UTR clone of NM\_022006

The sequence shown below is from the reference sequence of NM\_022006. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTTCAGCCCCTGGTGGCGGCGGCGTGTAAACACCTTCCCAGGAAACTCCGCTGCCGACCCTGCCTGAG
CGCGGGAGCCTGAGGACCGGGTGGAGGCGGTGGGGACCCAGCCGCGCGCCGGGAGCGCTCCCGGAATG
AGCCGCCCCACCCACCCCAAGGCTGGAGCCGCTGCACCCTGCTGTCCCTTCCAGCCTTGCAATGAC
GATCCCCCAAAGAGCCCCTGTGCACCCAGACCCAGGGCCTCAGGCCTCCAGCTCCTGGGATCCGGGAG
TCCATCCCGGCCAGCACCCAGCATCCCGTGTATGGCCCCCTGCACCTCCTTGTCTCATCCCCGA
AGATCCGTCGCCCTCAGTGTCCATGTCTTGAGCTTAATAAATGTGCATTTGGTTTTTCTC
TG
ACGCGTAAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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:** [NM\\_022006.2](#)



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**Summary:**

This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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 PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. Transmembrane topology has been established for two family members (FXYP1 and FXYP2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. FXYP2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYP1 (phospholemman), FXYP2 (gamma), FXYP3 (MAT-8), FXYP4 (CHIF), and FXYP5 (RIC) have been shown to induce channel activity in experimental expression systems. This gene product, FXYP7, is novel and has not been characterized as a protein. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Dec 2000]

**Locus ID:**

53822

**MW:**

14.5