

Product datasheet for SC112567

FXYD6 (NM_022003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXYD6 (NM_022003) Human Untagged Clone
Tag:	Tag Free
Symbol:	FXYD6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112567 sequence for NM_022003 edited (data generated by NextGen Sequencing)

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ATGGAGTTGGTGTCTTCTCTGCAGCCTGCTGGCCCCATGGTCTGGCCAGTGCA
GCTGAAAAGGAGAAGGAAATGGACCCTTTTCATTATGATTACCAGACCCTGAGGATTGGG
GGACTGGTGTTCGCTGTGGTCTTCTCGGTTGGGATCCTCCTTATCCTAAGTCGCAGG
TGCAAGTGCAGTTTCAATCAGAAGCCCCGGGCCCCAGGAGATGAGGAAGCCCAGGTGGAG
AACCTCATCACCGCCAATGCAACAGAGCCCCAGAAAGCAGAGAAGTGA
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Clone variation with respect to NM_022003.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022003 unedited
AAATTTGGGATTTGTAACACCACTTCACTATAGNNCCGGCCGCAATTCGGCACGAGGG
ACTCCTAGGAGGAGGGGAGGCGGAAAGCAGCTCAAGCCTCACCCACCGCCTGCCCCCA
GCCCGCCACTCCCAGGCTCCTCGGACTCGGCGGGTCTCCTGGGAGTCTCGGAGGGGA
CCGGCTGTGCAGACGCCATGGAGTTGGTGTCTTCTCTGCAGCCTGCTGGCCCCCA
TGGTCTGGCCAGTGCAGCTGAAAAGGAGAAGGAAATGGACCCTTTTCATTATGATTACC
AGACCCTGAGGATTGGGGACTGGTGTTCGCTGTGGTCTTCTCGGTTGGGATCCTCC
TTATCCTAAGTCGCAGGTGCAAGTGCAGTTTCAATCAGAAGCCCCGGGCCCCAGGAGATG
AGGAAGCCCAGGTGGAGAACCTCATCACCGCCAATGCAACAGAGCCCCAGAAAGCAGAGA
ACTGAAGTGCAGCCATCAGGTGGAAGCCTCTGGAACCTGAGGCGGCTGCTTGAACCTTTG
GATGCAAATGTCGATGCTTAAGAAAACCGCCACTTCAGCAACAGCCCTTTCCCAAGGAG
AAGCCAAGAAGTGTGTGTCCCCACCCTATCCCCTCTAACACCAATCCTCCACCTGATG
ATGCAACTAACACTTGCCTCCCCACTGCAGCCTGCGGTCTGCCACCTCCCGTATGTG
TGTGTGTGTGTGTGTGTGTGACTGTGTGTGTTGCTAACTGTGGTCTTTGTGGCTACT
TGTTTGTGGATGGTATTGTGTTTGTAGTGAAGTGTGGACTCGCTTCCAGGCAGGNGC
TGAGCCACATGGCCATCTGCNTCTCCCTGCCCCGTGGCCCTCCATCACTTNCTGCTNNC
TAGAGGCTGCTTGT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022003 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCACTAGGAAACAAAGGATATTTT ATTCCTTTTTTCTGTTGTTGTTGAGGATAGATCACGATACAGAGAACAGCATTGGGTCAC AGCGCACGGTTTTGGTTGGTTCCGCGGGAACACAGAGGACAGGAGGGGCGGGATCTGGGT TGAGTTCCCACTCTGTTATGACCTTCAACCTCTACTGTTCCCAAGGGCTGCACGGAGC CTGCTGAGTCTCCAACCCACCTCGCTCACCGCTCTGACCACTGACAGGCAGAGCAAAGGA TCGCGGAGTTGCCTCTGCTGCCATCTAAGGGGACGTAGGCAGAGAAGCAAAGGCCTCTG CTCTCCCTCCATCCATCCCGGTGTGCTGGCCCCAACGGAACAGGAGTCCTTCAACTATTG CCTGCCAGAGACCCAATTGCAGGACTGTAGTCTGCATCTGGATGAGCTGGGCTGTAAAT TGAAGTCTCAAAAGCAGGGAAGGTTGGAAGGGGTAGGGTCCCAGAGCCCATGGAGTTATT GCTGAGAAGAATGCAGGGGACACATTCACCAGGGGCAGAGTAGAAGCCCTGGGCCTGGAA TCCCCGGGCGCTCTGTGAAGGGGCGGGGCATATGGGGACTCCTCGTGAAGCCCCCTGGGA AAAAATAACCACGAAGGGCATAGCCTGCCTGACGTCAACGCTGGGCTCACCAGCTCCTT GCTTTGTATCTCCAGTTGCTAAGAGACCCTCAGACTGGGATCATGTGGGATAAGGAGGCA AGTTTTTTGTTAAAGGAGTGGAAGGAGCTCCTGAAGAATGATACCAAGGGCTGCAAACC TCTCCAGGTCCCAGGAGATTGAAGACCCTGCCCGTGTCTTACCCTAGCATCCCTAAATT AGGAGAGGAGGCTGGGCTCCGGCCACAAGCCACCCTCTAGAACCTAAGTGATGTAGGGCA CCGGGCAAGGAGGACCAATGCCTGC
Restriction Sites:	NotI-NotI
ACCN:	NM_022003
Insert Size:	1790 bp
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).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_022003.1 , NP_071286.1
RefSeq Size:	1677 bp
RefSeq ORF:	288 bp
Locus ID:	53826
UniProt ID:	Q9H0Q3
Cytogenetics:	11q23.3
Domains:	ATP1G1_PLM_MAT8

Protein Families: Ion Channels: Other, Transmembrane

Gene Summary: This gene encodes a member of the FXVD family of transmembrane proteins. This particular protein encodes phosphohippolin, which likely affects the activity of Na,K-ATPase. Multiple alternatively spliced transcript variants encoding the same protein have been described. Related pseudogenes have been identified on chromosomes 10 and X. Read-through transcripts have been observed between this locus and the downstream sodium/potassium-transporting ATPase subunit gamma (FXVD2, GeneID 486) locus.[provided by RefSeq, Feb 2011]

Transcript Variant: This variant (1) represents the functional protein. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.