

Product datasheet for **SC322066**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322066
 CGGGACTCGGCGGGTCTCTGGGAGTCTCGGAGGGGACCGGCTGTGCAGACGCCATGGA
 GTTGGTGTGGTCTTCTCTGCAGCCTGCTGGCCCCATGGTCTTGCCAGTGCAGCTGA
 AAAGGAGAAGGAAATGGACCCCTTTTCATTATGATTACCAGACCCTGAGGATTGGGGGACT
 GGTGTTTCGCTGTGGTCTTCTCGGTTGGGATCCTCCTATCCTAAGTCGCAGGTGCAA
 GTGCAGTTTCAATCAGAAGCCCCGGGCCAGGAGATGAGGAAGCCAGGTGGAGAACCT
 CATCACCGCCAATGCAACAGAGCCCCAGAAAGCAGAGAAGTGAAGTGCAGCCATCAGGTG
 GAAGCCTCTGGAACCTGAGGCGGCTGCTTGAACCTTTGGATGCAAATGTCGATGCTTAAG
 AAAACCGGCCACTTCAGCAACAGCCCTTTCCCCAGGAGAAGCAGAACTTGTGTGTCCC
 CCACCCTATCCCCTCTAACACCATTCTCCACCTGATGATGCAACTAACACTTGCCTCCC
 CACTGCAGCCTGCGGTCTGCCACCTCCCGTGTGTGTGTGTGTGTGTGTGTGTGTGTG
 TGACTGTGTGTGTTGCTAACTGTGGTCTTTGTGGCTACTTGTGTGTGGATGGTATTGTG
 TTTGTTAGTGAAGTGTGGACTCGCTTTCCAGGCAGGGGCTGAGCCACATGGCCATCTGC
 TCCTCCCTGCCCCGTGGCCCTCCATCACCTTCTGCTCCTAGGAGGCTGCTTGTGGCCG
 AGACCAGCCCCCTCCCCTGATTTAGGGATGCGTAGGGTAAGAGCACGGGCAGTGGTCTTC
 AGTCGTCTGGGACCTGGGAAGTTTGCAGCACTTTGTATCATTCTTCATGGACTCCTT
 TCACTCCTTTAACAAAAACCTTGCTTCTTATCCACCTGATCCCAGTCTGAAGGTCTCT
 TAGCAACTGGAGATACAAAGCAAGGAGCTGGTGAAGCCAGCGTTGACGTGAGGAGGCTA
 TGCCCTTCCGTGGTTAATTTCTTCCAGGGGCTTCCACGAGGAGTCCCCATCTGCCCCGC
 CCCTTACAGAGCGCCCGGGGATTCCAGGCCAGGGCTTCTACTCTGCCCTGGGGAATG
 TGTCCCCTGCATATCTTCTCAGCAATAACTCCATGGGCTCTGGGACCCTACCCCTTCCAA
 CCTTCCCTGCTTCTGAGACTTCAATCTACAGCCAGCTCATCCAGATGCAGACTACAGTC
 CCTGCAATTGGGTCTCTGGCAGGCAATAGTTGAAGGACTCCTGTTCCGTTGGGGCCAGCA
 CACCGGGATGGATGGAGGGAGAGCAGAGGCCTTTGCTTCTGCTGCTACGTCCTTAGAT
 GGGCAGCAGAGGCAACTCCCGCATCCTTTGCTCTGCCTGTGAGTGGTCAAGAGCGGTGAGC
 GAGGTGGGTTGGAGACTCAGCAGGCTCCGTGCAGCCCTTGGGAACAGTGAAGGTTGAAG
 GTCATAACGAGAGTGGGAACTCAACCCAGATCCCGCCCCCTCTGCTCTGTGTTCCCGC
 GGAAACCAACCAACCGTGCCTGTGACCCATTGCTGTTCTGTATCGTGATCTATCCT
 CAACAACAACAGAAAAAGGAATAAAATATCCTTTGTTTCTAAAAA

Restriction Sites: Please inquire

ACCN: NM_022003

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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 FXYD 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.