OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC116402

FXYD3 (NM_005971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FXYD3 (NM_005971) Human Untagged Clone
Tag:	Tag Free
Symbol:	FXYD3
Synonyms:	MAT8; PLML
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

```
>OriGene ORF sequence for NM_005971 edited
ATGCAGAAGGTGACCCTGGGCCTGCTTGTGTTCCTGGCAGGCTTTCCTGTCCTGGACGCC
AATGACCTAGAAGATAAAAACAGTCCTTTCTACTATGACTGGCACAGCCTCCAGGTTGGC
GGGCTCATCTGCGCTGGGGTTCTGTGCGCCATGGGCATCATCATCGTCATGAGTGCAAAA
TGCAAATGCAAGTTTGGCCAGAAGTCCGGTCACCATCCAGGGGAGACTCCACCTCTCATC
ACCCCAGGCTCAGCCCAAAGCTGA
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_005971 unedited
NGGCGTTCACGATTTGTAATACGACTCACTATAGGCGGCCGCGATTCGGCACGAGGCTCT
GCTCAGCCTGGTGAACCACACAGGCCAGCGCTCTGACATGCAGAAGGTGACCCTGGGCCT
GCTTGTGTTCCTGGCAGGCTTTCCTGTCCTGGACGCCAATGACCTAGAAGATAAAAACAG
TCCTTTCTACTATGACTGGCACAGCCTCCAGGTTGGCGGGCTCATCTGCGCTGGGGTTCT
GTGCGCCATGGGCATCATCATCGTCATGAGTGCAAAATGCAAATGCAAGTTTGGCCAGAA
GTCCGGTCACCATCCAGGGGAGACTCCACCTCTCATCACCCCAGGCTCAGCCCAAAGCTG
ATGAGGACAGACCAGCTGAAATTGGGTGGAGGACCGTTCTCTGTCCCCAGGTCCTGTCTC
TGCACAGAAACTTGAACTCCAGGATGGAATTCTTCCTCCTCTGCTGGGACTCCTTTGCAT
GGCAGGGCCTCATCTCACCTCTCGCAAGAGGGTCTCTTTGTTCAATTTTTTTTAATCTAA
AATGATTGTGCCTCTGCCCAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCG
GTCATAGCTGTTTCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCT
CTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCACCAGCCTTGTCCTAATAAAATTAAGT
TGCATCATTTTGTCTGACTAGGTGTCCTTCTATATATATGGGGTGGAGGGGGTGGTTTTG
GAACCCAAGGGCCAATTTGGGAAGACAACCTGTAAGGCCTGCGGGGTCTATTGGGAACCA
GCTTGAATGCAGTGGCACATCTTGGCTCACTGCATCTCGCCCTCTGGTTCAAGCGATTCT
TCTGCTCAGCCTCCGAGTGC
```

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_005971 unedited
CCGCGGCCGCATATCTANAGTCGAGTTTTTTTTTTTTTTTTTTGGGCAGAGGCACAATCA
TTTTAGATTAAAAAAAATTGAACAAAGAGACCCTCTTGCGAGAGGTGAGATGAGGCCCTG
CCATGCAAAGGAGTCCCAGCAGAGGAGGAAGAATTCCATCCTGGAGTTCAAGTTTCTGTG
CAGAGACAGGACCTGGGGACAGAGAACGGTCCTCCACCCAATTTCAGCTGGTCTGTCCTC
ATCAGCTTTGGGCTGAGCCTGGGGTGATGAGAGGTGGAGTCTCCCCTGGATGGTGACCGG
ACTTCTGGCCAAACTTGCATTTGCATTTTGCACTCATGACGATGATGATGCCCATGGCGC
ACAGAACCCCAGCGCAGATGAGCCCGCCAACCTGGAGGCTGTGCCAGCCATAGTACAAAG
GACTGTTTTTATCTTCTAGGTCATTGGCGCCCAGGACAGGAAAGCCTGCCAGGAACACAA
GCAGGCCCAGGGTCACCTTTTGCATGTCAAAGCCCTGGCCTGTGTGGTTCACCAGGCTGA
GCAGAGCCTTGTGCCCAATTCCCCGCCGCCCTATAGTGAGCCCTCTCACCAAATTTGACG
TTCACCAAACGAACTCTGCTTATATAGAACTTCCCCCGTCCCCGCCTACCGCCCATTTCG
CTCCACCGGGTCGGGGTCATTCCGAAATTTTTGCACAGCCCCCTTGATTCCGGGCCCACC
AAAACCCTCATTGCGCCCCACCGCGGCGGAACACCTGGCAACTCTCCCCGATCTCAACCC
CCTTCACCGACCCTCCGGGCACCTGCCCCACACCACTACTCCTCGCACCTATCGTCTCCC
TCCCCCCCGTCTCTCCTCTCCCCCGCCAATCACCCCTACACGCCTCTGCCATGGGAACTA
TAGACGGTCGCACCCTCATCCTCATCTTCCCACAAATAGGGATCCTTCTACTCCACCCCT
G
```

Restriction Sites: NotI-NotI

ACCN: NM_005971

Insert Size: 580 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_005971.2, NP_005962.1

RefSeq Size: 1304 bp

RefSeq ORF: 264 bp

Locus ID: 5349

UniProt ID: Q14802

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cytogenetics:	19q13.12
Domains:	ATP1G1_PLM_MAT8
Protein Families:	Ion Channels: Other, Transmembrane
Gene Summary:	This gene belongs to a small family of FXYD-domain containing regulators of Na+/K+ ATPases which share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD, and containing 7 invariant and 6 highly conserved amino acids. This gene encodes a cell membrane protein that may regulate the function of ion-pumps and ion-channels. This gene may also play a role in tumor progression. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2008]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US