

Product datasheet for RG213945

FXYD3 (NM 005971) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FXYD3 (NM_005971) Human Tagged ORF Clone

Tag: **TurboGFP**

Symbol: FXYD3

Synonyms: MAT8; PLML Neomycin

Mammalian Cell

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

>RG213945 representing NM_005971 **ORF Nucleotide**

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCAGAAGGTGACCCTGGGCCTGCTTGTGTTCCTGGCAGGCTTTCCTGTCCTGGACGCCAATGACCTAG AAGATAAAAACAGTCCTTTCTACTATGACTGGCACAGCCTCCAGGTTGGCGGGCTCATCTGCGCTGGGGT TCTGTGCGCCATGGGCATCATCGTCATGAGTGCAAAATGCAAATGCAAGTTTGGCCAGAAGTCCGGT

CACCATCCAGGGGAGACTCCACCTCTCATCACCCCAGGCTCAGCCCAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213945 representing NM_005971

Red=Cloning site Green=Tags(s)

MQKVTLGLLVFLAGFPVLDANDLEDKNSPFYYDWHSLQVGGLICAGVLCAMGIIIVMSAKCKCKFGQKSG

HHPGETPPLITPGSAQS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



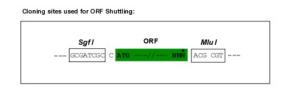
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

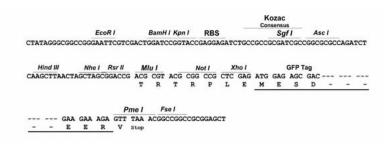
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

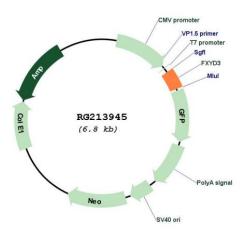


Cloning Scheme:





Plasmid Map:



ACCN: NM_005971

ORF Size: 261 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info



FXYD3 (NM_005971) Human Tagged ORF Clone - RG213945

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 005971.4</u>

 RefSeq Size:
 1304 bp

 RefSeq ORF:
 264 bp

 Locus ID:
 5349

 UniProt ID:
 Q14802

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]