

Product datasheet for RG227176

FXYD3 (NM_001136009) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

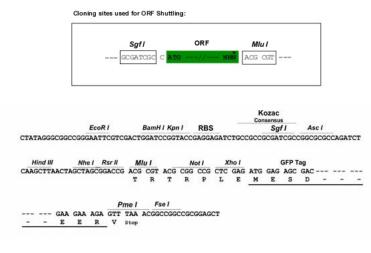
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Expression Plasmids
FXYD3 (NM_001136009) Human Tagged ORF Clone
TurboGFP
FXYD3
MAT8; PLML
Neomycin
pCMV6-AC-GFP (PS100010)
Ampicillin (100 ug/mL)
<pre>>RG227176 representing NM_001136009 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
ATGCAGAAGGTGACCCTGGGCCTGCTTGTGTTCCTGGCAGGCTTTCCTGTCCTGGACGCCAATGACCTAG AAGATAAAAACAGTCCTTTCTACTATGGTGAGAGCCCGTGCCCCCTTTCCCCTCCCCACAACCCCACATA CTGCTTGGTGCCAAGGGTTCCCATACAGGGTTGGGGCCTGACG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
>RG227176 representing NM_001136009 <mark>Red</mark> =Cloning site Green=Tags(s)
MQKVTLGLLVFLAGFPVLDANDLEDKNSPFYYGESPCPLSPPHNPTYCLVPRVPIQGWGLT
TRTRPLE - GFP Tag - V
Sgfl-Mlul

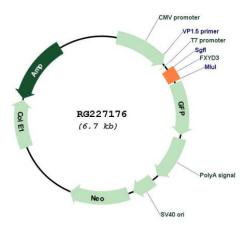


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Cloning Scheme:



Plasmid Map:



 ACCN:
 NM_001136009

 ORF Size:
 183 bp

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GRIGENE FXYD3	(NM_001136009) Human Tagged ORF Clone – RG227176
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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001136009.1, NP 001129481.1</u>
RefSeq Size:	843 bp
RefSeq ORF:	186 bp
Locus ID:	5349
UniProt ID:	<u>Q14802</u>
Cytogenetics:	19q13.12
Protein Families:	lon 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]

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