

Product datasheet for RG228723

FXYD6 (NM 001164837) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FXYD6 (NM_001164837) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: FXYD6

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >RG228723 representing NM_001164837
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAGTTGGTGCTGGTCTTCCTCTGCAGCCTGCTGGCCCCATGGTCCTGGCCAGTGCAGCTGAAAAGG
AGAAGGAAATGGACCCTTTTCATTATGATTACCAGACCCTGAGGATTGGGGGACTGGTGTTCGCTGTGGT
CCTCTTCTCGGTTGGGATCCTCCTTATCCTAAGTCGCAGGTGCAAGTGCAGTTTCAATCAGAAGCCCCGG
GCCCCAGGAGATGAGGAAGCCCAGGTGGAGAACCTCATCACCGCCAATGCAACAGAGCCCCAGAAAGCAG

AGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228723 representing NM_001164837

Red=Cloning site Green=Tags(s)

MELVLVFLCSLLAPMVLASAAEKEKEMDPFHYDYQTLRIGGLVFAVVLFSVGILLILSRRCKCSFNQKPR

APGDEEAQVENLITANATEPQKAEN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



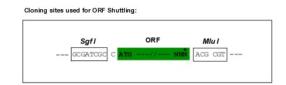
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

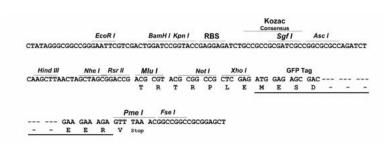
CN: techsupport@origene.cn

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

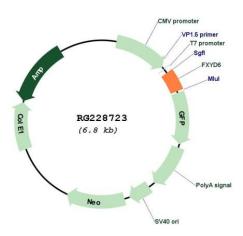


Cloning Scheme:





Plasmid Map:



ACCN: NM_001164837

ORF Size: 285 bp



FXYD6 (NM_001164837) Human Tagged ORF Clone - RG228723

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

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 001164837.2</u>

 RefSeq Size:
 2133 bp

 RefSeq ORF:
 288 bp

 Locus ID:
 53826

 UniProt ID:
 Q9H0Q3

 Cytogenetics:
 11q23.3

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 (FXYD2, GeneID 486) locus.[provided by RefSeq, Feb

2011]