

## Product datasheet for MR200202

### Fxyd3 (BC002039) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fxyd3 (BC002039) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fxyd3  
**Synonyms:** Mat8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200202 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAAGAGGTTGTTCTGAGCCTGTTGGTCCTTCTAGCAGGCCTGCCTACTTTGGATGCCAATGACCCTG  
AAAATAAAATGATCCTTTCTACTATGATTGGTACAGCCTCCGAGTCGGCGGGCTCATTTGTGCAGGGAT  
TCTCTGTGCCCTGGCATTATAGTCCTTATGAGTGGCAAATGCAAATGCAAGTTCAGACAGAAACCCAGT  
CACCGCCAGGAGAAGGGCCACCTCTCATCACACCAGGCTCAGCTCACAACCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200202 protein sequence  
 Red=Cloning site Green=Tags(s)

MQEVVLSLLVLLAGLPTLDANDPENKNDFYYDWYSLRVGGLICAGILCALGIIVLMSGKCKCKFRQKPS  
HRPGEGPPLITPGSAHNC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** BC002039

**ORF Size:** 264 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](#)

**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:** [BC002039](#), [AAH02039](#)

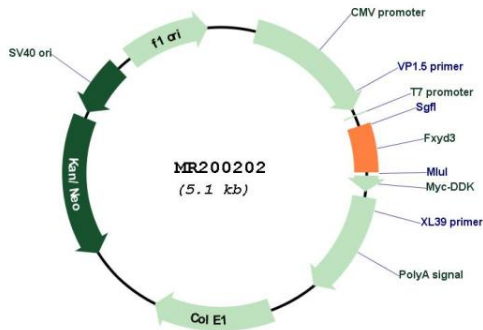
**RefSeq Size:** 503 bp

**RefSeq ORF:** 266 bp

**Locus ID:** 17178  
**Cytogenetics:** 7 B1  
**MW:** 9.5 kDa

**Gene Summary:** This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The encoded protein is a transmembrane protein that functions as a specific regulator of Na,K-ATPase. [provided by RefSeq, Aug 2009]

**Product images:**



Circular map for MR200202