

## Product datasheet for MR227801

### Fxyd1 (NM\_194321) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fxyd1 (NM\_194321) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fxyd1  
**Synonyms:** 0610012C17Rik; 1110006M24Rik; P; Plm; Pml  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR227801 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCATCTCCCGCCACATCCTGGCTCTGTGTGTGTCTCCTCCATGGCCAGTGCAGAAGCTCCAC  
 AGGAACCGGATCCATTACCTACGATTACCACACCCTGCGGATCGGCGGCCTCACTATCGCTGGGATCCT  
 CTTTCATCTGGGCATCCTTATCATCCTTAGCAAGAGATGTCGATGCAAATCAACCAACAGCAGAGA  
 ACTGGGAACCGACGAAGAGGAGGAACTTCCGCAGCTCCATCCGCCGTCTGTCATCCCGCAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR227801 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MASPGHILALCVLLSMASAEAPQEPDPFTYDYHTLRIGGLTIAGILFILGILIIILSKRCRCKFNQQQRT  
 GEPDEEEGTFRSSIRRLSSRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



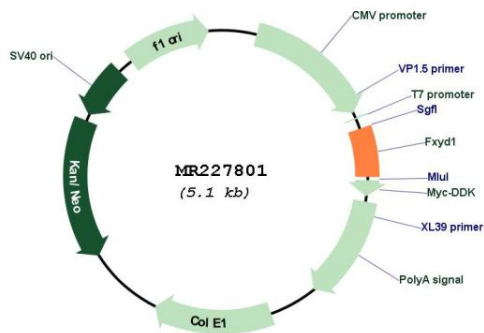
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**Locus ID:** 56188  
**UniProt ID:** [Q9Z239](#)  
**Cytogenetics:** 7 B1  
**MW:** 10.3 kDa

**Gene Summary:** This gene encodes a member of the FXYD 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 protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. It is thought to form an ion channel or regulate ion channel activity and act as an accessory protein of Na,K-ATPase. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]

### Product images:



Circular map for MR227801