

## Product datasheet for **MC207063**

### **Fxyd5 (BC031112) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fxyd5 (BC031112) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fxyd5
Synonyms:	RIC, EF-8
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC031112, the custom clone sequence may differ by one or more nucleotides

```
ATGTCACTGTCCAGTCGCCTGTGTCTCCTCACTATTGTGCCCCTGATTCTGCCAGCAGAGGGCAGACAC  
CAAAAAAGCCACATCCATTTTTACAGCGGACCAGACTTCTGCGACTACTCGTGACAATGTCCCAGATCC  
AGATCAAACCAGCCAGGAGTCCAGACCACCCCTCTCATCTGGACCAGAGAAGCAGAAGCCACAGGAAGC  
CAGACAGCAGCCCAAACCGAGACCCAGCAACTGACAAAAATGGCCACCTCGAATCCAGTGTCCAGATCCAG  
GGCCACATAACAAGCAGCAAGAAAGGTACCCTGCAGTCTCCAGGATCGAGCCTCTCAGCCCATCAAAAA  
CTTCATGCCTCCATCCTACATTGAACATCCACTGGATTGGAATGAGAACAACCCCTTCTACTACGATGAT  
ACTACCCTCCGGAAACGGGGACTGCTGGTGGCTGCGGTGCTGTTTCATCACGGGAATTATCATTCTACTA  
GTGAGAGTCGGGCATGGGCAGAAAGGGCAAGAAGGGGCTGGGGGCGGGCTGGGCTGCATGGTGACTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	BC031112
Insert Size:	963 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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**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:** [BC031112](#)

**RefSeq Size:** 2995 bp

**RefSeq ORF:** 963 bp

**Locus ID:** 18301

**Cytogenetics:** 7 B1

**Gene Summary:** This gene encodes a precursor protein that is member of the FXYP family of transmembrane glycoproteins. Like most members of the FXYP family, the encoded protein is a subunit of the sodium-potassium adenosine triphosphatase pump. FXYP family members have tissue-specific expression and differentially regulate the activity of this pump. The protein encoded by this gene also plays a role in cell adhesion and motility. The orthologous human protein inhibits epithelial cadherin, a calcium-dependent adhesion protein and is associated with cancer (promotes metastasis). Alternative splicing of this mouse gene results in multiple transcript variants. [provided by RefSeq, Dec 2013]