

## Product datasheet for **MC216109**

### **Fv1 (NM\_010244) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fv1 (NM_010244) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fv1
Synonyms:	Fv-1; Rv-1; Rv1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216109 representing NM\_010244  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATTTCCACGTGCGCTTGCTGGTTTCTCGAGCTGGCTCTTCAAACCTGAACCTGCGGAGGACTCTC  
 CGGATAATGACTCTCCGGATAATGACACTGTAAACCCATGGCGTGAGCTGCTGCAGAAGATAAATGTGGC  
 CGATCTCCCCGATTATCCTTTTCGAGCGGTAAGGAACCTAATGACTCTGTGTACCATACTTTGAACAT  
 TTCTGCAAGATTAGGGACTATGACGCAGTTGGCGAGCTGCTTCTGGCATTCTGGATAAAGTAACAAAGG  
 AAAGGGACCAATTCAGAGATGAAATTTCCAGCTCCGAATGCACATAAATGATCTAAAGGCTTCTAAGTG  
 TGTCTGGGGGAGACTCTTTCTACCGCCACAGGATTGAAGTTGGGGAAAAACAGACTGAAGCCCTC  
 ATTGTGAGGTTAGCTGATGTGCAATCCCAGGTCATGTGTCAGCCTGCCCGAAAGTGTCTGCAGATAAGG  
 TGAGGGCACTGATTGGTAAAGAATGGGATCCGGTAACCTGGGATGGAGATGTGTGGGAGGACATAGATTC  
 TGAAGGCTCTGAGGAAGCTGAGTTGCCACTGTCTGGCCTCTCCATCCTGTCTGAGGAAAGTGGTTAT  
 GCCTTGTCTAAAGAACGCACCCAGCAGGACAAAGCAGATGCCCTCAGATCCAGTCTTCAACATCCTTAG  
 TTACTTCTGAACCTGTACCAGACCCAAGTCTCTGTCTGACCTTACAAGTCAGAAACACCCGCCTACTAA  
 TCATGAACTCAATCACTTGCTCACTCAAAATCGCCAAAAGGCAAAGGAACATGCTAGGAAATGGATTTTA  
 AGGGTGTGGGATAATGGTGGGAGGCTCACAACTGGAATCAGATTGAATTTCTCAGTTTAGGTCCTTTGA  
 GCCTTGATAGTGAGTTTAAATGTCATAGCCCGCACTGTTGAAGATAATGGTGTGAAGAGTTTGTGTTGATTG  
 GTTGGCTGAAGCATGGGTCCAGAGATGGCCTACTACAAGAGAGCTGCAGTCGCCTGACACCCTGGAGTGG  
 TATTCTATTGAGGATGGGATTGAAAGGCTTAGGGAACCTGGAATGATAGAGTGGCTTTGTGTAAGGCTA  
 CTTGTCCACAGTGGAGGGGCCCGAAGATGTACCATCACGAGAGCTATGAGGATAACTTTGTCCGGGA  
 AACTAGAGAGACTTGAAGAGCTTTGTATTTAGCCTCTGTATAAAGGACATAACAGTGGGGAGCGGTG  
 GCTGCTCAGTTGCATGATCTAATAGAATTAAGTTTAAAGCCAACAGCAGCTGGCTTGACTTCTGTAGGCT  
 CTGTGGGGTTCTCTCTCTCTCCCTGAAACATCAAAGCAACAGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_010244
- Insert Size:** 1380 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).
- 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: [NM\\_010244.3](#), [NP\\_034374.2](#)

RefSeq Size: 1380 bp

RefSeq ORF: 1380 bp

Locus ID: 14349

UniProt ID: [P70213](#)

Cytogenetics: 4 78.56 cM

**Gene Summary:** Retroviral restriction factor that prevents infection by gammaretroviruses. Acts by interacting with the capsid protein ca after entry of the virus into the cell. This interaction presumably disrupt the capsid thereby inactivating the viral genome, making it unable to enter host nucleus and integrate into host genome.[UniProtKB/Swiss-Prot Function]