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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC216109 representing NM_010244
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTTCCCACGTGCGCTTGCTGGTTTCTCGAGCTGGCTCTTCAAACCTGAACTTGCCGAGGACTCTC
CGGATAATGACTCTCCGGATAATGACACTGTTAACCCATGGCGTGAGCTGCTGCAGAAGATAAATGTGGC
CGATCTCCCCGATTCATCCTTTTCGAGCGGTAAGGAACTTAATGACTCTGTGTACCATACTTTTGAACAT
TTCTGCAAGATTAGGGACTATGACGCAGTTGGCGAGCTGCTTCTGGCATTTCTGGATAAAGTAACAAAGG
AAAGGGACCAATTCAGAGATGAAATTTCCCAGCTCCGAATGCACATAAATGATCTAAAGGCTTCTAAGTG
TGTCCTGGGGGAGACTCTTCTTTCCTACCGCCACAGGATTGAAGTTGGGGAAAAACAGACTGAAGCCCTC
ATTGTGAGGTTAGCTGATGTGCAATCCCAGGTCATGTGTCAGCCTGCCCGGAAAGTGTCTGCAGATAAGG
TGAGGGCACTGATTGGTAAAGAATGGGATCCGGTAACCTGGGATGGAGATGTGTGGGAGGACATAGATTC
TGAAGGGTCTGAGGAAGCTGAGTTGCCCACTGTCTTGGCCTCTCCATCCTTGTCTGAGGAAAGTGGTTAT
GCCTTGTCTAAAGAACGCACCCAGCAGGACAAAGCAGATGCCCCTCAGATCCAGTCTTCAACATCCTTAG
TTACTTCTGAACCTGTCACCAGACCCAAGTCTCTGTCTGACCTTACAAGTCAGAAACACCGCCATACTAA
TCATGAACTCAATTCACTTGCTCACTCAAATCGCCAAAAGGCAAAGGAACATGCTAGGAAATGGATTTTA
AGGGTGTGGGATAATGGTGGGAGGCTCACAATACTGGATCAGATTGAATTTCTCAGTTTAGGTCCTTTGA
GCCTTGATAGTGAGTTTAATGTCATAGCCCGCACTGTTGAAGATAATGGTGTGAAGAGTTTGTTTGATTG
GTTGGCTGAAGCATGGGTCCAGAGATGGCCTACTACAAGAGAGCTGCAGTCGCCTGACACCCTGGAGTGG
TATTCTATTGAGGATGGGATTGAAAGGCTTAGGGAACTTGGAATGATAGAGTGGCTTTGTGTAAAAGCTA
CTTGTCCACAGTGGAGGGGCCCGGAAGATGTACCCATCACGAGAGCTATGAGGATAACTTTTGTCCGGGA
AACTAGAGAGACTTGGAAGAGCTTTGTATTTAGCCTCCTCTGTATAAAGGACATAACAGTGGGGAGCGTG
GCTGCTCAGTTGCATGATCTAATAGAATTAAGTTTAAAGCCAACAGCAGCTGGCTTGACTTCTGTAGGCT
CTGTGGGGGTTCTCTCTCTCTCTCCCTGGAAACATCAAAGCAACAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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.

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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]

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