

Product datasheet for **MC225240**

F8 (NM_001161374) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: F8 (NM_001161374) Mouse Untagged Clone
Tag: Tag Free
Symbol: F8
Synonyms: Cf-8; Cf8; FVIII
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225240 representing NM_001161374
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAAAATAGCACTCTTCGCTTCTTTCTGAGCCTTTCAATTTCTGCTCTAGTGCCATCAGAAGAT
ACTACCTTGGTGCAGTGAATTGCTCTGGAATATATTCAGAGTATCTGCTCAGTGTGCTGCATACAGA
CTCAAGATTTCTCCTAGAATGTCAACATCTTTCCATTCAACACCTCCATCATGTATAAAAAGACTGTG
TTGTAGAGTACAAGGACCAGCTTTTCAACATTGCCAAGCCAGGCCACCCTGGATGGGTTTGCTAGGTC
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TAAAGCACGTGAAGGATTTGCCAATTCATCCAGGAGAGATATTCAAGTACAAGTGGACAGTTACAGTAGA
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 TTTGCCACGCGAACACACTGAATCCTGCTCATGGGAGACAAGTGTGAGTACAGGAATTTGCTCTGCTTTT
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 AATTTCCAGATGGAAGACCCACTTTGAAAGAGAATTATCGCTTCCATGCAATCAATGGTTATGTAATGG
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 GCAAGTGGACTTACAAAAGACAATGAAAGTCACTGGAATAATAACCCAGGGAGTGAATCTCTTTTACC
 AGCATGTTTGAAAGAGTTCCTTATTTCCAGCAGTCAAGATGGCCATCACTGGACTCAAATTTTATACA
 ATGGCAAGGTTTTTCAGGGGAATCAGGACTCATCCACACCTATGATGAATTCTCTAGACCCACCATTACT
 CACTCGCTATCTCGAATTCACCCCGAGATCTGGGAGCACCAAATGCTCTGAGGCTTGAGATTCTAGGA
 TGTGAGGCCAGCAGCAATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001161374

Insert Size:

6744 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_001161374.1, NP_001154846.1

RefSeq Size:

7306 bp

RefSeq ORF:

6744 bp

Locus ID: 14069

Cytogenetics: X 38.17 cM

Gene Summary: Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) lacks an alternate in-frame exon and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.