

Product datasheet for **MC222041**

Nefm (NM_008691) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nefm (NM_008691) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nefm
Synonyms:	Nef3; NF-M; NF160; NF165; Nfm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222041 representing NM_008691
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTACACGCTGGACTCGCTGGGCAACCCGTCGCTACCGCGGGTCACCGAGACCCGCTCCAGT
 TCAGCCGCGTGAGCGGTTCCCCGTCAGCGGCTTCCGCTCGCAGTCTGGTCCCGCGGCTCGCCAGCAC
 CGTGTCTCTCTACAAGCGCAGCGCGCTCGCCCCGCTCTCGCTACAGCTCGGCTATGCTCAGTCTG
 GCCGAGAGCAGCCTCGACTTCAGCCAGTCTCGTCTGCTCAACGGCGGCTCCGGCGGCGACTACAAA
 TGTCCCGCTTAACGAGAAAGAGCAGCTGCAGGGGCTGAACGACCGCTTCCCGGCTACATCGAGAAAGT
 GCACTACTTGAACAACAGAACAAGGAGATCGAAGCAGAGATCCAGGCACTGCGGCAGAAGCAGGCTCG
 CACGCCAGCTGGGTGATGCTTACGACCAGGAGATCCGAGAGTGCAGCCACCTCGAGATGGTGAACC
 ACGAGAAGGCTCAAGTGCAGCTGGACTCCGATCACTTGGAGGAAGACATCCACCGGCTCAAGGAGCGCTT
 CGAGGAGGAGGCGCGGCTGCGGGACGACACCGAGGCTGCCATTCGCGCGTGCAGAAAGACATCGAAGAG
 TCGTTCGATGGTTAAGGTGGAGCTGGACAAGAAGGTGCAGTTCGCTCAGGATGAGGTGGCTTCTCGCGGA
 GCAATCACGAAGAGGAGGTGGCCGACCTGCTGGCTCAGATCCAGGCGTCGCACATCACGGTAGAGCGCAA
 AGATTACCTGAAGACAGACATCTCCACGGCGTGAAGGAGATCCGCTCCCAGCTCGAGTGTCACTCAGAC
 CAGAACATGCACCAGGCCGAAGAGTGGTTCAAATGCCGCTACGCCAAGCTCACCGAGGCGGCCGAGCAGA
 ACAAGGAGGCCATTTCGCTCTGCCAAGGAAGAGATCGCCGAGTACCGGCGCCAGCTGCAGTCCAAGAGCAT
 CGAGCTCGAGTCGGTGCAGGCACTAAGGAGTCCCTGGAGCGGCACTCAGCGACATCGAGGAGCGCCAC
 AACCCAGCTCAGCAGCTACCAGGACACCATCCAGCAGTTGAAAATGAACTTCGGGGAACCAAGTGGG
 AAATGGCTCGTCATTTGCGAGAATACCAGGATCTCCTAACGTCAGATGGCCCTGGACATCGAGATCGC
 CGCGTACAGGAACTCCTAGAGGGGAAGAGACCAGATTTAGCACATTTTCAGGAAGCATCACCGGCGCT
 CTGTACACACACCGACAGCCCTCAGTACAATATCCAGTAAAGTTCAGAAGACCAAGTTCAGGCCCCCA
 AGCTCAAGGTCCAACACAAATTTGTGGAGGAGATCATCGAAGAACTAAAGTGAAGATGAGAAGTCAGA
 AATGGAAGAAACCTCACAGCCATCGCAGAGGAGTTGGCAGCCTCCGCCAAGAGGAGAAGGAAGAGGCC
 GAAGAAAAGGAGGAGGAACAGAAAGCCGAAAAGTCTCCCGTGAAGTCTCCTGAGGCTAAGGAAGGAGG
 AGGAAGGGGAAAAGGAGGAAGAAGGAAGGCCAGGAGGAAGAAGGAGGAGAAGTGAAGGTGTCAAGTC
 AGACCAGGCAGAAGAGGGGGATCTGAGAAGGAAGGCTCCAGTAAAAAGATGAAGGTGAGCAGGAAGAA
 GAAGAAGGAGAAACCGAGGCAGAAGGTGAAGGAGAGGAAGCAGAAGCTAAGGAGGAAAAGAAAATTGAGG
 GAAAGGTTGAGGAAGTGGCTGTCAAGGAGGAAATCAAGGTTCGAGAAGCCTGAGAAAAGCCAAATCCCTAT
 GCCCAAATCACCCGTGGAAGAAGTAAAGCCAAAACAGAGGCCAAGGCCGGAAGGTTGAGCACAAGGAG
 GAAGAGAAAGTTGAGGAAGAGAAGAAGGAAGTCACCAAAGAAATCACCAAAGGAAGAGAAGGTGGAGAAA
 AGGAGGAGAAGCCAAAAGATGTTGCAGATAAAAAGAAGGCCGAGTCCCGGTTGAAAGAGAAGGCTGTGGA
 GGAGGTGATCACCATCAGCAAGTCGGTAAAGGTGAGCCTAGAGAAAGACACCAAAGAGGAGAAGCTGCAG
 CCGCAGGAGAAGGTGAAGGAGAAGGCAGAGGAGGAGGGGGCAGTGAAGGAGAAGGAGTACCGTAGCC
 CGCAGGAGTCCAAGAAGGAAGACATAGCTATCAATGGGGAGTGAAGGAAAAGAGGAGGAGGAGCAGGA
 AACTCAGGAGAAGGGCAGTGGGCGGAGGAGGAGAAAAGGGTGGTCACTAATGGCTTAGATGTGAGCCCT
 GCAGAGGAGAAGAAAGGAGAGGATAGCAGTGTGATAAAGTGGTGGTACCAAAGAAGGTAGAAAAGATCA
 CCAGCGAGGGGGCGATGGTGTACCAAATACATCACCAAATCTGTAACCGTCACTCAAAAGGTTGAAGA
 GCATGAGGAGACCTTTGAGGAGAAGCTGGTCTCACTAAAAGGTAGAAAAGGTCACTTCACACGCCATA
 GTCAAGGAAGTCACCCAGGGTACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
 ACCN: NM_008691
 Insert Size: 2547 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:	<ol style="list-style-type: none">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_008691.2 , NP_032717.2
RefSeq Size:	3244 bp
RefSeq ORF:	2547 bp
Locus ID:	18040
UniProt ID:	P08553
Cytogenetics:	14 D1
Gene Summary:	Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber.[UniProtKB/Swiss-Prot Function]