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Product datasheet for MC218208

Nefl (NM_010910) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nefl (NM_010910) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nefl
Synonyms:	AI847934; CMT2E; NF-L; NF68; Nfl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC218208 representing NM_010910
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCGTTCGGCTACGATCCGTACTTTTCGACCTCCTACAAGCGGCGCTATGTGGAGACGCCCCGGG
TGCACATCTCCAGCGTGCGCAGCGGCTACAGCACGGCGCGCTCCGCGTACTCCAGCTACTCCGCGCCGGT
CTCCTCCTCGCTGTCCGTGCGCCGCAGCTACTCGTCCAGCTCTGGCTCTTTGATGCCCAGCCTGGAGAAT
CTCGATCTGAGCCAGGTAGCCGCCATCAGCAACGACCTCAAGTCTATCCGCACACAAGAGAAGGCACAGC
TGCAGGACCTCAACGATCGCTTCGCCAGCTTCATCGAGCGCGTGCACGAGCTGGAGCAGCAGAACAAGGT
CCTGGAAGCCGAGCTGTTGGTGCTGCGCCAGAAACACTCTGAGCCTTCCCGCTTCCGCGCCCTGTACGAG
CAGGAGATCCGCGATCTGCGGCTGGCAGCGGAAGACGCCACTAACGAGAAGCAGGCGCTGCAGGGCGAGC
GCGAGGGGCTGGAGGAGACTCTGCGCAACCTGCAGGCTCGCTATGAGGAAGAAGTGCTGAGCCGCGAGGA
CGCCGAGGGCCGGCTGATGGAAGCGCGCAAAGGTGCGGATGAGGCCGCGCTCGCCCGCGCCGAGCTGGAG
AAGCGCATCGACAGCCTGATGGACGAGATAGCTTTCCTGAAGAAGGTGCACGAGGAAGAGATCGCCGAGC
TGCAGGCTCAGATCCAGTATGCTCAGATCTCCGTGGAGATGGACGTGTCCTCCAAGCCCGACCTCTCCGC
CGCTCTCAAGGACATCCGCGCTCAGTACGAGAAGCTGGCCGCCAAGAACATGCAGAACGCCGAAGAGTGG
TTCAAGAGCCGCTTCACCGTGCTAACCGAGAGCGCCGCCAAGAACACCGACGCTGTGCGCGCTGCCAAGG
ACGAGGTGTCGGAAAGCCGCCGCCTGCTCAAGGCTAAGACCCTGGAGATCGAAGCCTGCCGGGGTATGAA
CGAAGCTCTGGAGAAGCAGCTGCAGGAGCTAGAGGACAAGCAGAATGCAGACATTAGCGCCATGCAGGAC
ACAATCAACAAACTGGAGAATGAGCTGAGAAGCACGAAGAGCGAGATGGCCAGGTACCTGAAGGAGTACC
AGGACCTCCTCAATGTCAAGATGGCCTTGGACATCGAGATTGCAGCTTACAGAAAACTCTTGGAAGGCGA
AGAGACCAGGCTCAGTTTCACCAGCGTGGGTAGCATAACCAGCGGCTACTCTCAGAGCTCGCAGGTCTTC
GGCCGTTCTGCTTACAGTGGCTTGCAGAGCAGCTCCTACTTGATGTCTGCTCGCTCTTTCCCAGCCTACT
ATACCAGCCACGTCCAGGAAGAGCAGACAGAGGTCGAGGAGACCATTGAGGCTACGAAAGCTGAGGAGGC
CAAGGATGAGCCCCCCTCTGAAGGAGAAGCAGAAGAGGAGGAGAAGGAGAAAGAGGAGGGAGAGGAAGAG
GAAGGCGCTGAGGAGGAAGAAGCTGCCAAGGATGAGTCTGAAGACACAAAAGAAGAAGAAGAAGGTGGTG
AGGGTGAGGAGGAAGACACCAAAGAATCTGAAGAGGAAGAGAAGAAAGAGGAGAGTGCTGGAGAGGAGCA
GGTGGCTAAGAAGAAAGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010910

Insert Size: 1632 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_010910.1, NP_035040.1
RefSeq Size:	2014 bp
RefSeq ORF:	1632 bp
Locus ID:	18039
UniProt ID:	P08551
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]