

Product datasheet for RN214621

Nefh (NM_012607) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nefh (NM_012607) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nefh
Synonyms:	Nfh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214621 representing NM_012607 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGAGCTTCGGCGGCGCGGATGCGCTGCTGGGCGCCCGTTTCGCGCCGCTGCACGGAGGAGGCAGCC
TGCACTACGCGCTGAGCCGCAAGGCAGGCGCCGCGGCACCCGCTCCGCGCCGGCTCCTCCAGCGGCTT
CCATTCGTGGGCGCGGACGTCGGTGAGCTCCGTGTCCGCTCGCCAGCCGCTTCCGCGGCGCCGGCGCC
GCCTCGAGCACCAGCTCGCTAGACACCCTAAGCAATGGCCAGAGGGCTGCGTGGTGGCGCGGTGGCTG
CGCGCAGCGAGAAGGAGCAGCTGCAGGCGCTCAACGACCGCTTCGCGGGTACATCGATAAAGGTAGGCA
GCTTGAGGCGCACAACCGCAGCCTGGAAGGCGAGGCGGCGGCGCTGCGGCAGCAGCAAGCCGGCCGCGCC
GCCATGGGCGAGCTGTACGAGCGCGAGGTGCGCGAGATGCGCGGGCCGTGCTGCGCCTGGGGGCGGCGC
GCGGCGAGCTGCGCCTGGAGCAGGAGCACTTGTGGAGGACATCGCGCACGTCCGCCAGCGGCTGGACGA
GGAGGCCCGGCAGCGCGAGGAAGCGGAGGCGGCGCCCGCCCTAGCCCGCTTCGCGCAGGAGGCGGAA
GCGGCGCGCTGGAGCTGCAGAAGAAGGCGCAGGCGCTGCAGGAAGAGTGCAGCTACCTGCGCGCCACC
ACCAGGAGGAGGTGGGCGAGCTGCTCGGTGAGATTGAGGCTGCGGTGCCGCGCAGGCGAGGCTCAGGC
CGAGGCTCGGGACGCCCTCAAGTGCGACGTGACGTGCGGCTGCGGGAGATCCGCGCGCAGCTCGAAGGA
CACACGGTGCAGAGTACGCTGCAGTCAGAGGAGTGGTTCCGAGTGAATTGGACCGACTCTCAGAGGCGAG
CCAAAGTGAACACGGATGCTATGCGCTCTGCCAAGAGGAGATAACTGAGTACCGCGCGCAGCTGCAGGC
CAGGACCACAGAGTTGGAGGCACTGAAAAGCACCAGGAGTCACTGGAGAGGCGAGCTCTGAGCTGGAG
GACCGTCATCAGGTAGACATGGCCTCCTACCAGGATGCAATTGAGCAGCTGGACAATGAGCTGAGAAACA
CCAAATGGGAGATGGCCGCGCAGCTCCGAGAGTACCAGGACCTGCTCAACGTCAAGTGGCCCTGGATAT
TGAGATCGCTGCTTACAGAAAATCCTGGAAGGCGAAGAGTGTGCGATTGGCTTTGGACCCAGTCCCTTC
TCTTTACTGAGGACTCCCAAAAATCCCTCCATGTCCACTCACATAAAAGTCAAAGCGAAGAGAAGA
TAAAAGTAGTAAAAATCGGAGAAGGAAACCGTCATTGTAGAGGAACAGACAGAAGAGATCCAGGTGAC
AGAAGAAGTGACAGAAGAGGAGGACAAAGAGGCCAAGGGGAGGAAGAAGAAGAGGCAGAAGAGGGAGGA
GAAGAAGCAGCAACTACGTCTCCCCCTGCAGAAGAGGCTGCATCTCCAGAAAAGGAAACCAAGTCTCCTG



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TGAAAGAAGAGGCCAAGTCCCCAGCTGAGGCCAAGTCCCCAGCTGAGGCCAAGTACCAGCTGAGGCCAA
 GTCCCCAGCTGAGGTCAAATCTCCAGCTGTGGCCAAGTCCCCAGCTGAAGTCAAATCTCCAGCTGAGGT
 AAATCTCCAGCTGAGGCCAAGTACCAGCTGAGGCCAAGTACCAGCTGAGGTCAAATCTCCAGCTACAG
 TGAAGTCTCCAGGTGAGGCCAAGTCCCCAGCTGAGGCCAAGTACCAGCTGAGGTCAAATCTCCAGTGGA
 GGCCAAGTACCAGCTGAGGCCAAGTCTCCAGCTTACAGTGAAGTCCCCAGGTGAGGCCAAGTACCAGCT
 GAGGCCAAGTACCAGCTGAGGTCAAATCTCCAGCTACAGTGAAGTCCCCAGTTGAGGCCAAGTACCAG
 CTGAGGTCAAATCTCCAGTTACAGTGAAGTCCCCAGCTGAGGCCAAGTACCAGCTGAGGTCAAATCTCC
 AGCTTCGGTGAAGTCCCCAAGTGAAGCCAAGTACCAGCTGGAGCCAAGTACCAGCTGAGGCCAAGTCA
 CAGTTGTGGCCAATACCAGCTGAGGCCAAGTACCAGCTGAGGCCAAGCCTCCAGCTGAGGCCAAGT
 CACCAGCTGAGGCCAAGTCTCCAGCTGAGGCCAAGTCTCCAGCTGAGGCCAAGTACCAGCTGAGGCCAA
 GTCACCTGTTGAGGTAATCTCCAGAGAAGGCCAAGAGCCCCGTGAAGGAAGGTGCAAAATCCCTAGCT
 GAGGCCAAGTCCCCTGAGAAGGCCAAGTCCCCTGTGAAGGAAGAGATCAAGCCTCCAGCTGAGGTGAAAT
 CCCCCGAGAAGGCCAAGAGCCCCATGAAGGAGGAGGCCAAGTCTCCTGAGAAGGCCAAGACTCTGGATGT
 GAAGTCTCCAGAAGCCAAGACTCCAGCGAAGGAGGAAGCAAAGCGCCCCGACAGACATCAGATCCCCTGAG
 CAGGTCAAAGTCTGCCAAGGAGGAGGCCAAGTCCCCGAGAAGGAAGAGACCAGGACTGAAAAGGTGG
 CTCCAAGAAGGAAGAGTGAAGTCCCCTGTGGAGGAGGTAAAAGCCAAAGAACCCCAAGAAGGTGGA
 GGAGGAGAAGACACCAGCCACACCAAGACAGAGGTGAAGGAGAGCAAGAAAGATGAAGCTCCAAGGAG
 GCCCAGAAGCCAAGGGGAGGAGAAGGAGCCTCTCACAGAAAAGCCCAAGGACTCTCCGGGGGAAGCCA
 AGAAGGAAGAGGCTAAAGAGAAGAAGGCGGCGCCCCAGAGGAGGAGACGCCCGCAAGTTGGGCGTGAA
 GGAAGAGGCTAAACCCAAAGAGAAGGCAGAAGACGCCAAGGCCAAAGAACCTAGCAAACCTCAGAGAAG
 GAGAAACCGAAGAAGGAGGAGGTGCCGGCAGCACCAGAGAAGAAAGACACCAAGGAGGAGAAGACTACGG
 AGTCCAAGAAGCCTGAGGAGAAACCCAAATGGAGGCCAAGGCCAAGGAGGAGGACAAGGGCCTTCCCCA
 AGAGCCTAGCAAACCCAAAGACAGAAAAGGCTGAAAAGTCTCTAGCACAGACCAAAAAGACAGCCAGCCC
 TCAGAGAAGGCCCCAGAGGACAAGGCTGCCAAGGGAGACAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012607
- Insert Size:** 3195 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_012607.2](#), [NP_036739.2](#)
- RefSeq Size:** 3843 bp

RefSeq ORF: 3195 bp
Locus ID: 24587
Cytogenetics: 14q21
Gene Summary: an intermediate filament protein found primarily in neurons [RGD, Feb 2006]