

Product datasheet for **MC217309**

Nepn (NM_025684) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nepn (NM_025684) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nepn
Synonyms:	5730521E12Rik; Npn; periolin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217309 representing NM_025684
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACCCGCTTTGGGCTTTTCTTTGGGGCTCTCTTTACCAATGGCCTCAGTGCAAACGTCCAGGAC
 GATGCAGTTGTGATTCTATGCAGTCTGTACAATGCTACAGGCTCATGGAATCCCATCAGGCATTCTTC
 CACCACCAAGAGACTCTACATTAGCCACAGCAGAATCCAGCACCTTCAGCTATCTAACTTCACTGGACTG
 TTGGCTCTGGAAGATTTTATTCTGCTGGCCAGTGAACAGAGTCTATTGAAAATGACACCTTCAAAACTC
 TGAGTACACTAAAGACTCTAGAACTTTGGAAAAATAAATTGAGACAAGTCCCAGTGCTCTCCAGCCAA
 CCTTGAGTGTAAAATTAATGATAATGCCATATGTGCTCTACGTGGATCAGAGTTGAAGGACTGAAG
 AACTTGAAAGTCTTGAACCTAAAAACAACCTTGATCTCGTCCCTGTCTCCAGCATGCTCTCCCACTTG
 CCAGTTTGACAGATTTGATGGTGGATGGTAACAACATAGAGTCCGTGGTTGGACCTTGAGCCTCCGCA
 TCTCAAGTACATGAGCATGGAGAACAACCACTCCACCTTATACCAGGGAATGTCTTCACTCCCTACAG
 AATTTGCAGTTCCCTCAGTTTCAGTGGTAATTTTCTAACTAAAATCCCATAAATCTACCCAAATCCTTGC
 TATCTTTAAAGATGGAGAGAAACCAGCTCAAAGTGGTCAGGTTTCGCGATATGAAACACTTGAGAACCT
 GTCCCATCTTTACCTGTCAGAGAACTTCTGTCTTCCATTGATGGGGCACAGCAGCTGACCAATTTAAACA
 ACTCTGGAGGTTTCCAAAACCAGCTTCAAATGTTGCCTCCAGGCTACCATCGAGGTTACAGAAGCTTG
 ATTGTAGCAGTAACTTCACTCAGAGAGTGACAGCACCAGAATCCAGGACCTCCGAGACCTGAAACATCT
 GTTTCTAGACAACAATGTTGTGACGTTGTTGAGGCTGGGGCCCTCAGAGGTGTTCTCAGCTGTCCAAC
 CTGGCCCTGGAGCAGAATCTGCTGTTGTCTATCCCTCTGAGGCTCCCTAAGACCTGGCCAGGCTGGACC
 TCAAGGGCAATGCCATCCAGGACATGGCTGAAAGGGAGCTCAGGGACCTCAAACAACCTCAGGTCCTCAA
 CCTCAGGAACAACCGGATCTCGGCCTTAGATTTCAAGGCACTGGAGGGGCTGCCTCGGCTCAGGCATCTC
 TACCTGGATGGGAATCCCTGGAAGTGCAGTCTCTACGAGCCAGGGAAGTCTGAAAGGCAAGG
 GCACGGACGTGAAAGGGGGACAGTGCAGAGCCAGCAGAGCGACAGGGGAGAGCTGGATGTCTCCAA
 GAAGATCTGAGGCAATGTGAGCATCACTTACAGCAGAGTGAGAAAAGCAAAGAGACCAAGAAGAAACCC
 AAACCCGAAGACTCTCCAGCATCAGACTCAACATGGATGACGACGATGACGATTATGAAATAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_025684
- Insert Size:** 1539 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_025684.2](#), [NP_079960.1](#)

RefSeq Size: 1823 bp

RefSeq ORF: 1539 bp

Locus ID: 66650

UniProt ID: [Q9CQ76](#)

Cytogenetics: 10 B3

Gene Summary: May inhibit TGF-beta signaling.[UniProtKB/Swiss-Prot Function]