

Product datasheet for **MC219112**

Nepro (NM_145972) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nepro (NM_145972) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nepro
Synonyms:	Nepro
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219112 representing NM_145972
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGCTGCGGTGCGGCCGGGTGCGGAGCCGTGGAACCGCGTGAGGATCCCCAGCGGGGAAGTCA
 GCACGCTGACCGTGCGGGACCCAGCGCCACCCTGGATATCTGCACTGCAGCTGTCACTAAAGGGTGCCA
 CCTTGTACACAGTCACTCAAGAGCCAGACCTTGATGCGGAAGTAGATGTGTTATGCTCAGTTCTCTAC
 AGCAATCACAAACAGGTTGGGCCACCACAAGCCCCATTTGGCCCTCAGACAGGTAGAACAGTGCTTAAAGC
 GTTTGAAACATATGAATTTGGAGGGCTCAATTGAAGACCTGTCACAGTTGTTGTCTGCCAATGCAACTCA
 GCCTGGAGCTACAGAAAACCGCGTCGTCCCAGCCAGCCGGTGGTGGAGGTGGTCTGATGAAGTTTTG
 GGAGGCTGCAAGTTGTTACTGCGCTTGTGGACTGCTGCTGCAAGGCATTTCTGTTGACTGTGAAGCACT
 TAGGGCTAAAGGAATTCATTATTTGAACCTTGTGATGGTTGGACTGGTGAAGCAGGCTATGGTTCTCCA
 TAAAGGACTTTTGAGAAGGCTCATTTCCTTATATGAGCCATTACTCAGCTTGCCTCAGGAGATCTCCAGC
 ATTCATCCCATGCCTTACTTCAAAGATTTGCCTTTCCCTCTGACATCACTGACTTTCTAGGCCCTCTT
 ACCTTGAAGTGTCAAGGTAAAAACACCTGCGGCTTCTGCTACTAAAGGAGTAACAAAGTTGCTAAATAA
 ACTGTTTTTAATGAGAGAGCAGCTACCAAAGATGAATGAAGACACTTTAGATAGACTTTCCAAACCATCT
 GAACAAATGACAAGCAATCCACAGAGCACTGTGGACCTGGGCCAGCCAGTGAAAGCCTGTAAAGAGGACCA
 GAAAAGAAAAGCCATTGGGATTTGACCTTCGGGCTTTTTGCACAAGACTTGAAACAAAGCGACTCAGGA
 GACCAACCGTGACTTTAAATATTTCTCAGTCCAAACTGAAGACAACCAAACCTCCCTCTCAGCAACTGAGA
 ACTCACTGGGCTAACGATACTGTGCAAAGAATCCGAAAGACCAAGACGTTCCGCCAACTTTCTGAAGAAA
 TTGAAATGGCAATTGTGTGGTCCCGGAGCAAAAAGCTCAAGACTCAGGCTACCTTTCTGGCAACAAACT
 TCTTAAGAGTAATAGGTTTAGACATGTGGAATCTCAAGGCTATAGTTTGACAAAGAAGCTCCAGTGCATG
 AAAACATCTCTCTGCAACTGCCTTCTCCGAGGCTCTCGTACCAGCACTTCAAGAGCATCTCCAGACAAA
 GAAGATCAAAGTATAAGTTTTATCAAGACAAAGGAAACCGCAGAGAAAGTTACAGTCAACTCTTTTAAA
 GGAAACCCAGCAGGTCCTGAAGGGACTCTGAAGAACACTAGGGACAGCAGTGCTAAGAGGAGATGCTCT
 GGGACAGTTCAGAGGTCAGATGTCTGTCTAATGGAAAGCAGGCTTGGAGAAAACCTGCAAAGCCTGACC
 TAAAAACAAAGGTGGTGGTCCACGGGAATCTTACAGGGGGCAGTAGAAATGAATCTGGCTTTCAGGGCAA
 GACACAGATGCACACACAATGCGCCAGACACTGCTAAAGAGGCAGATGACATTGATGATATTTTTGCT
 TTGATGGGAGTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145972
- Insert Size:** 1695 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:	<u>NM_145972.4</u> , <u>NP_666084.1</u>
RefSeq Size:	2866 bp
RefSeq ORF:	1695 bp
Locus ID:	212547
UniProt ID:	<u>Q8R2U2</u>
Cytogenetics:	16 B4
Gene Summary:	May play a role in cortex development as part of the Notch signaling pathway. Downstream of Notch may repress the expression of proneural genes and inhibit neuronal differentiation thereby maintaining neural progenitors (PubMed:19906856). May also play a role in preimplantation embryo development (PubMed:26178919).[UniProtKB/Swiss-Prot Function]