

## Product datasheet for **MC209804**

### Nrep (NM\_001109988) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrep (NM\_001109988) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nrep  
**Synonyms:** AI325076; D0H4S114; Harp; P311; PTZ17; SEZ17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209804 representing NM\_001109988  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

**ATGTTTACTACCCAGA**ACTCTTGGTCTGGT**CAGCCAAGA**ACCGTTTGCATACAAGGAAATGGAGGGAG  
GTCTTATTAAGGGAAGACTTCCCGTGCCTAAGGAAGTGAACCGAAAGAAGATGGAGGAGACTGGCGCTGC  
CTCGCTGACTCCGCCAGGCAGCCGTGAATTCACCTCTCCAGCTACCAGTTACCTCCACCCTTTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001109988  
**Insert Size:** 207 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).



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**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\\_001109988.1](#), [NP\\_001103458.1](#)

**RefSeq Size:** 2185 bp

**RefSeq ORF:** 207 bp

**Locus ID:** 27528

**UniProt ID:** [Q07475](#)

**Cytogenetics:** 18 B1

**Gene Summary:** May have roles in cellular differentiation. Ectopic expression induces differentiation of fibroblast into myofibroblast and myofibroblast ameboid migration. Increases retinoic-acid regulation of lipid-droplet biogenesis. May also have neural functions. Promotes axonal regeneration and augments motility of gliomas. Down-regulates the expression of TGFB1 and TGFB2 but not of TGFB3. May play a role in the regulation of alveolar generation. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, 4 and 5 encode the same protein.