

## Product datasheet for MC200179

### Ngrn (NM\_031375) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ngrn (NM\_031375) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ngrn  
**Synonyms:** AW552001  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC004034 sequence for NM\_031375  
 GTCGCGAGCTGTAGATACCACCTCGCGTCGCAATGGCGCTCTCTCTGAGCCTCTTTTTGGCGGTCTGTGT  
 CCGCACCTCTCTCGCTCGCTGTGGTTTCGCGTCCCAGGTCATGGCGGGCCCGGGTTCTGTACAGTGCAG  
 CCGGACCCCGATTCCGACTGGGAGCCGGAGGAGCGGGAGCTCCAGGAGGTGGAGAGCGCTTTGAAACGTC  
 AGAAAAAGCAATGCGATTCCAGAAAATACGAAGGCAAATGGAGGCTCCAGGTGCCACCCAGAACACT  
 GACGTGGGAAGCCATGGAGCAGATCCGGTATTTACATAAGGAATTTGCAGAGTCCTGGTCAGTTCCAAGG  
 TTGGCAGAAGGCTTTGATGTCAGCACTGATGTTATCCGAAGGGTTTTAAAAAGTAAGTTGTACCCACTT  
 TAGAGCAGAACTGAGGCAGGACCAAAGGTCTTGAAAAAGCTGGGTTTACCCGAGAGATTGGTCAGCT  
 CCCCCTTTCTGAAGATACCTTGAAGGCGCTCAGTGCAGGCCGCTCTGTGTCTGGCCTGCTGATGGCAGGG  
 GATGAAGTCTCCTCTAAAAGTCAGAATCACAGCACAGCTTGAAAGTGGCGAAGTCGCACCCTCACAGCA  
 CAGACGCACAGAAGAAACGGGAAGGGAGGATAAAAAGAATCCAAGTCTTGGAAGAGAGCCTAGTGCCTGC  
 CACCACAGCCTTGGGTATCAGCGAGAGCTTCAAGAAATCCGCCACCAGTGACGCCGAGGCCACCGGAAGA  
 GCTGGCAGTGATACGTTACCAAGTGCTGTGCTGCTGGAAGAGCTGAAGGCTGGGGAGCTGGGTGACCAGA  
 GCTTCAGCAGCAAGGTAGTGCAGAGAGGGCATGACTTCTTTGACAGCAATGGAACTTCTCTACAGAAT  
 TTGAGCCTACGACTGGCTTTTGGAGATGCTTGACACAGCTGGACAGGTAGACTTGAAGCTGCCAGCATT  
 TTTGCACACCATTGGCCACTTTGGAGTAAGAGTTGGTGGAGCTAGAATGTGGGTGGAGGAGCTACTTAGG  
 CAGGGTCAGACTTCTGGAGTAAGCCCCATGGGTCCCCTCCGGATCTAAGCACTATTGGTCTTTGTTGC  
 TTGGTGGTCTCTGTTGAGAACAAGAATTATATGTATCGGGCTGGCGAGATGGCTCAGTGGGTAAGAGCAC  
 CCGACTGCTCTTCCAAGGTCCAGAGTTCAAATCCCAGCAACCACATGGTGGCTACAACCATCCGTAAC  
 AAGAAGTACGCCCTCTTCTGGAGTGTCTGAAGACAGCTACAGTGTACTTACATATAATAATAAAATAAAT  
 CTTTTAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_031375  
**Insert Size:** 693 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC004034</a> , <a href="#">AAH04034</a>
<b>RefSeq Size:</b>	1355 bp
<b>RefSeq ORF:</b>	693 bp
<b>Locus ID:</b>	83485
<b>UniProt ID:</b>	<a href="#">Q99KS2</a>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	<p>Plays an essential role in mitochondrial ribosome biogenesis. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation of core subunits of the oxidative phosphorylation system.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>