

## Product datasheet for **MC224508**

### Neo1 (NM\_001042752) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Neo1 (NM\_001042752) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Neo1  
**Synonyms:** 2610028H22Rik; A1327052; D930014N22Rik; Igdcc2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224508 representing NM\_001042752  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCGGAGCGGAAGCCGGGCGACTCCTCTGCACCTCCTCCTCCCGGCGTGTGTCCGCCACCGC  
CGCTGTGCTGTTGCTGCCGCTGCTGCTGCTCGGACGCCCGCGTCCGGCGCCGCGCCACGAAGAG  
CGGCTCCCGCCGAGTCCGAGGAGCCAGTGTTCGAACATTCCTCCGTTTTATTTCTGGTGGAGCCA  
GTAGACACCTCTCAGTTAGAGGCTCTTCTGTTATATTAATTCGTCGGCATATTCGAGCCCTCTCCAA  
ACATTGAATGGAAGAAAGATGGGACTTTTTAACTTAGAATCAGATGATCGACGCCAGCTACTCCAGA  
TGGATCTTTATTCATCAGCAACGTGGTGCATCCAAACACAATAAGCCTGACGAAGGTTTCTATCAGTGT  
GTAGCCACTGTGGATAATCTTGAACCATGTGCAGCAGAACAGCCAAGCTCACAGTAGCAGGTCTCCAA  
GATTTACCAGCCAACCAACCTTCTTCAGTCTATGTTGAAACAGTGAATTCGAATTGTGAAGTTAA  
TGCAGATTTGGTCCCATTGTTAGGTGGGAACAGAATCGACAGCCCTTCTTCTAGATGACAGGATTGTC  
AACTTCCAAGTGAACACTGGTTATCAGCAATGCTACTGAAGGAGATGGGGACTCTACCGCTGCATTG  
TTGAAAGTGGTGGGCCACCAAGTTTAGTGACGAAGCTGAATGAAAGTCTTCAAGATCCTGAGGAAAT  
TGTAGACTTGGTATTTCTGATGCGACCATCTTCTATGATGAAAGTCACTGGTCAGAGTGCAGTGTGCCA  
TGTGTTGTCTCAGGGCTTCTGTCCAGTTGTTAGATGGATGAAAAACGAAGAAGTGCTTACACAGAAA  
GCTCTGGCAGGTTGGTCTTGCTAGCAGGAGGTTGCTTGGAGATCAGTGTGCTACTGAGGATGATGCTGG  
GACTTATTTTTGCATAGCTGATAATGAAATAAGACAGTTGAAGCTCAGGCGGAGCTTACTGTGCAAGTG  
CCACCTGGATTCTGAAACAACCTGCTAACATATATGCTCACGAATCCATGGACATTGTATTTGAATGTG  
AAGTCACTGGGAAGCCAACCTCAACTGTGAAGTGGTCAAGAATGGGGATGTGGTTATCCCAGTGATTA  
CTTTAAAATTGTAAGGAACATAATCTCAAGTTTGGTCTGGTGAATCAGATGAAGGTTCTATCAA  
TGCATTGTGAGAATGATGTTGAAATGCACAAGCTGGAGCCAGCTGATAATCCTTGAGCATGATGTTG  
CCATCCCAACATTACCTCCACTTCACTGACCAGTGCCACTACTGACCATCTAGCACCAGCCACAACGGG  
ACCATTACCTCAGCTCCTCGAGACGTCGTGGCCTCCCTGGTCTCTACTCGCTTCATTAATTGACATGG  
CGTACACCTGCATCAGACCCTCATGGAGACAATCTCACCTACTCTGTGTTCTACCCAAGGAAGGGTTG



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CTAGGGAGCGTGTGAGAATACCAGCCAGCCAGGAGAGATGCAGGTGACTATTCAAAACCTTGATGCCAGC  
 AACTGTGTACATCTTCAAAGTTATGGCTCAAAATAAGCATGGCTCTGGAGAAAGTTCAGCTCCTCTTCGA  
 GTAGAGACACAGCCTGAGGTTACAGTCCCTGGCCAGCACCTAATATCCGTGCTTATGCAACGTCACCTA  
 CTTCTATCACTGTACCTGGGAAACACCGTTATCTGGCAATGGGAAATTCAAATTTACAAATTGTA  
 CATGAAAAAGGAACTGATAAAGAACAGGATATTGATGTTTCAAGTCACTCCTACACCATTAATGGACTG  
 AAGAAATACACAGAATACAGTTTCCGAGTGGTGGCCTACAATAACATGGTCTGGAGTTTCTACACAAG  
 ATGTTGCTGTTTGAACATTATCAGATGTTCCAGTGTCTCCAGTCTCAGAATCTGCTTGAAGTGA  
 TTTCAAAGAGTATAGTGATCCACTGGCAGCCCCCTTCTCAACCACAAAAATGGCAGATAACTGGCTAC  
 AAGATTCGATATCGAAAGGCCTCCCGAAAAAGTATGTCAGTACTGAGACCTTGGTAACTGGGACACAGCTGT  
 CTCAGCTGATTGAAGGTCTTATCGGGGACAGAAATAAATTCCGAGTCTGCTCTCACAGTCAATGG  
 TACAGGTCAGCAACTGATTGGCTGTCTGCTGAAACTTTTAAAGCGACCTAGATGAAACTCGTGTCTCT  
 GAAGTGCCAGCTCTCTCATGTCCGCTCCGCTCGTCACTAGCATTGTAGTGAGCTGGACTCCTCCAGAGA  
 ACCAGAACATTGTGGTCCGAGGTTATGCCATCGGTTACGGCATTGGCAGCCCTCATGCCAGACCATCAA  
 AGTGGACTATAAACAACGTTATTACACCATCGAAAACCTGGATCCAAGCTCTCATTACGTGATTACCTTG  
 AAAGCATTTAACAATGTTGGCGAAGGCATCCCCCTTTATGAGAGTGTGTGACCAGACCTCACACAGTGC  
 CAGATCCCACTCCCATGATGCCACCAGTGGGAGTTCAGGCTTCCATTCTGAGTCAAGACACCATAAGGAT  
 TACCTGGGACAGCAACTCCCTGCCAAAACACCAGAAGATTACAGACTCCCGCTACTACACAGTCCCGTGG  
 AAGACCAACATCCAGCAAAACACGAAGTACAAGAATGCAATGCAACGACGTTAAGCTATTTGGTACTG  
 GTTTAAAGCCAAATACGCTCTATGAGTTCTCTGTGATGGTGACCAAGGCAGAAAGTCAAGCAGCTGGAG  
 TATGACAGCTCATGGCGTACCTTTGAATTAGTTCCTACTTCTCCACCTAAGGATGTGACAGTTGTGAGT  
 AAGGAAGGAAAACCTAGAACCATCATAGTGAATTGGCAGCCTCCCTCTGAAGCTAACGGCAAGATTACAG  
 GTTACATCATCTATTACAGCACGGATGTGAATGCAGAGATACATGACTGGGTTATTGAACCAAGTTGGG  
 AAACAGACTGACTCACCAGATTCAAGGTTAACACTTGATACGCCATACTACTTCAAATCCAGGCCCGG  
 AACTCAAAGGGCATGGGGCCATGTCTGAAGCTGTACAGTTCAGAACACCTAAAGCCTTAGGGTCAGCAG  
 GAAAAGGAAGCCGACTACCAGACCTGGGATCTGACTACAAACCTCCAATGAGTGGCAGCAACAGCCCTCA  
 CGGGAGCCCCACCTCCCCTCTGGACAGCAACATGCTGCTGGTCTCATTGTCTCTGTTGGCGTCACTACT  
 ATCGTGGTGGTTGGTCTTGTCTTTTGTACCCGGCGCACCACTCTCACCAGAAGAAGAAACGAG  
 CTGCGTGCAAATCAGTGAATGGCTCCCATAAAGTACAAGGGCAATTGCAAAGATGTGAAGCCTCCAGACCT  
 ATGGATCCATCACGAGAGACTAGAGTTGAAGCCTATTGACAAGTCTCCAGATCCTAACCTGTCTGACT  
 GATACTCCAATCCCTCGAAAACCTCAAGATATCACACCAGTGGACAATTCATGGATAGCAATATCCATC  
 AAAGGCGGAATTCATACAGAGGGCATGAGTCAGAGGACAGCATGTCTACTGGCTGGAAGGAGGGGAAT  
 GAGACCAAAAATGATGATGCCCTTTGACTCTCAGCCACCTCAGCCTGTGATTAGTGCCCATCCCATCCAT  
 TCCTCGATAACCTCACCATCATTTCCTACTCCAGCAGCCTCGCTTCTCCAGCCCGCAGTCACTCTACC  
 ACCCAAGCAGCCCATGGCCATTGGCACATCCATGTCCCTTTTCCAGACAGGGCCAATTCCACAGAATCTGT  
 TCGAAATACCCCCAGCACGGACACCATGCCAGCGTCTCGTCTCAGACGTGCTGCACTGACCATCAGGAC  
 CCTGAGGGTGCTACTAGCTCCTTACTTGGCCAGCTCCCAAGAGGAAGACTCAGGCCAGAGTCTTCCCA  
 CAGCCCATGTCCGCCCTTCCCACCCTCTGAAGAGCTTCTGCTGTGCCAGCAATCCCACCCAGGACCTCC  
 TCTCTATGATCCTGCACTGCCAAGCACACCACTTACTGTCCAGCAAGCTCTGAACCATCACATTCCTCA  
 GTGAAAACAGCCTCCATCGGGACGTTAGGAAGGAGCCGGCCTCCTATGCCAGTGGTTGTTCCGAGTGCC  
 CTGAAGTACAGGAGACCACAGGATGCTGGAAGACTCCGAGAGTACTATGAACCAGATGAGCTGACCAA  
 AGAGATGGCCACCTGGAAGGACTAATGAAGGACCTAAATGCCATCACAACAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001042752  
**Insert Size:** 4398 bp

<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>	<u>NM_001042752.1, NP_001036217.1</u>
<b>RefSeq Size:</b>	7307 bp
<b>RefSeq ORF:</b>	4398 bp
<b>Locus ID:</b>	18007
<b>Cytogenetics:</b>	9 B