

## Product datasheet for MC212035

### Nucks1 (NM\_175294) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nucks1 (NM\_175294) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nucks1  
**Synonyms:** 2700010L10Rik; 8430423A01Rik; A1647518; C78391; Nucks  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212035 representing NM\_175294  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTCGGCCTGTCAGAAATAGGAAGTTGTGGATTACTCTCAGTTTCAGGAATCAGATGATGCAGATG  
 AAGATTATGGAAGAGATTCAGGCCCTCCTGCTAAGAAGATTCGGTCATCTCCCGAGAGGCTAAAAATAA  
 GAGGCGATCTGGAAAAATTCACAAGAAGACAGTGAAGACTCAGAAGAAAAAGATGTGAAGACCAAGAAG  
 GATGATTCCTCACTCGGCAGAAGACAGCAAGATGAAAAAGATGATCATAAAAAATGTACGCCAGCAACGAC  
 AGGCAGCATCTAAAGCAGCTTCTAAGCAGAGAGAGATGCTCTTGGAAGATGTTGGCAGCGAGGAAGAGCC  
 GGAAGAAGATGATGAGGCGCCATTCCAGGAGAAAGATTCTGGCAGCGATGAAGATTTCTAATGGAAGAC  
 GACGATGATAGTGATTATGGCAGTTCAAAAAAGAAAAACAAAAAGATGGTTAAGAAGTCCAAACCTGAGA  
 GAAAAGAAAAGAAAATGCCCAAACCCAGACTAAAGGCAACAGTGACGCCAAGTCCAGTGAAGGCCAAAGC  
 GAAAGTGGGTGCCCCACAGCTTCGAAGAAATCAAAGGAAAAAACTCCTTCTCCCAAAGAAGAGGATGAG  
 GAAGCAGAAAAGCCCTCCAGAAAAGAAGTCCGGAGACGAAGGTCGAGGATGAAGCCTCATCTGGGGAAG  
 ATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175294  
**Insert Size:** 705 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="#">NM_175294.3</a> , <a href="#">NP_780503.2</a>
<b>RefSeq Size:</b>	6096 bp
<b>RefSeq ORF:</b>	705 bp
<b>Locus ID:</b>	98415
<b>UniProt ID:</b>	<a href="#">Q80XU3</a>
<b>Cytogenetics:</b>	1 E4
<b>Gene Summary:</b>	<p>Chromatin-associated protein involved in DNA repair by promoting homologous recombination (HR). Binds double-stranded DNA (dsDNA) and secondary DNA structures, such as D-loop structures, but with less affinity than RAD51AP1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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>