

## Product datasheet for MC212034

### Nucks1 (NM\_001145804) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nucks1 (NM\_001145804) 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:** >MC212034 representing NM\_001145804  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTCGGCCTGTCAGAAATAGGAAGGTTGTGGATTACTCTCAGTTTCAGGAATCAGATGATGCAGATG  
 AAGATTATGGAAGAGATTCAGGCCCTCCTGCTAAGAAGATTCGGTCATCTCCCGAGAGGCTAAAAATAA  
 GAGGCGATCTGGAAAAATTCACAAGAAGACAGTGAAGACTCAGAAGAAAAAGATGTGAAGACCAAGAAG  
 GATGATTCCTCACTCGGCAGAAGACAGCAAGATGAAAAAGATGATCATAAAAAATGTACGCCAGCAACGAC  
 AGGCAGCATCTAAAGCAGCTTCTAAGCAGAGAGAGATGCTCTTGGGAAGATGTTGGCAGCGAGGAAGAGCC  
 GGAAGAAGATGATGAGGCGCCATTCCAGGAGAATTCTGGCAGCGATGAAGATTTCTAATGGAAGACGAC  
 GATGATAGTGATTATGGCAGTTCAAAAAAGAAAAAAGATGGTTAAGAAGTCCAACTGAGAGAA  
 AAGAAAAGAAAATGCCAAACCCAGACTAAAGGCAACAGTGACGCCAAGTCCAGTGAAAGGCAAAGCGAA  
 AGTGGGTCGCCCCACAGCTTCGAAGAAATCAAAGGAAAAAAGTCTTCTCCCAAAGAAGAGGATGAGGAA  
 GCAGAAAAGCCCTCCAGAAAAGAAGTCCGGAGACGAAGGGTCCGAGGATGAAGCCTCATCTGGGGAAGATT  
 AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001145804  
**Insert Size:** 702 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_001145804.1</a> , <a href="#">NP_001139276.1</a>
<b>RefSeq Size:</b>	6093 bp
<b>RefSeq ORF:</b>	702 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 (2) uses an alternate in-frame splice site at the 5' end of a coding exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is one aa shorter compared to 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>