

## Product datasheet for MC210715

### Apoo (NM\_026673) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoo (NM\_026673) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Apoo  
**Synonyms:** 0610008C08Rik; 1110019O03Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC210715 representing NM\_026673

Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTCAAGGTAATTCAGAGATCTGTGGGGCCAGCCAGCCTGAGCCTGCTCACCTTCAGAGTCTATGCAG  
 CACCCAAAAGGACTCGCCTCACAAAAGTTACATGAAGATCGATGAGCTTTCCTCTACTCAGTTCCTGA  
 GGGTCAATCTAAATATGTGGAGGAGCAAGGACTCAACTTGAAGAAAACATCTCACAATCCGACATCAT  
 TGTGAGCCATATAAAGTTTCTGTCAGGAAATATACTCCCATCTAAACCAAGGTGGATCACTTTGTCC  
 AGTGGGGAGTAGACAATACTATCTTCAAAATGCGCCTCCTGGATTTTCCCAAGACTCGGTGTTAT  
 TGGTTTTGCTGGTTTTGTTGACTCCTTTTGTCTAGAGGTTCAAAAATAAGAAGCTGGTGATCCTCCT  
 TTTTTCATGGGATTAGGTGCCTCTGTCTATTACCCACAACAAGCCATCACCATTGCCAGATCACTGGGG  
 AGAAGTTATGACTGGGGATTACGAGGGTACATAGTTATAGAAGATTTGTGGAAGCAAAATTTTCAGAA  
 GCCAGGAAATGTGAAGAATTCACCTGGAATAAA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_026673  
**Insert Size:** 597 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_026673.4, NP_080949.2</u>
<b>RefSeq Size:</b>	935 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	68316
<b>UniProt ID:</b>	<u>Q9DCZ4</u>
<b>Cytogenetics:</b>	X C3
<b>Gene Summary:</b>	<p>Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Plays a crucial role in crista junction formation and mitochondrial function (By similarity). Can induce cardiac lipotoxicity by enhancing mitochondrial respiration and fatty acid metabolism in cardiac myoblasts (PubMed:24743151). Promotes cholesterol efflux from macrophage cells. Detected in HDL, LDL and VLDL. Secreted by a microsomal triglyceride transfer protein (MTTP)-dependent mechanism, probably as a VLDL-associated protein that is subsequently transferred to HDL (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the more frequently occurring transcript. Variant 1 encodes isoform 1.</p>