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Product datasheet for MC226024

Apoo (NM_001199339) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoo (NM_001199339) 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:	>MC226024 representing NM_001199339 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAGATCGATGAGCTTTCACTCTACTCAGTTCCTGAGGGTCAATCTAAATATGTGGAGGAGCCAAGGA CTCAACTTGAAGAAAACATCTCACAACTCCGACATCATTGTGAGCCATATACAAGTTTCTGTCAGGAAAT ATACTCCCATACTAAACCCAAGGTGGATCACTTTGTCCAGTGGGGAGTAGACAACTATAACTATCTTCAA AATGCGCCTCCTGGATTTTTCCCAAGACTCGGTGTTATTGGTTTTGCTGGTTTTGTTGGACTCCTTTTTG CTAGAGGTTCAAAAATAAAGAAGCTGGTGTATCCTCCTTTTTTCATGGGATTAGGTGCCTCTGTCTATTA CCCACAACAAGCCATCACCATTGCCCAGATCACTGGGGAGAAGTTATATGACTGGGGATTACGAGGGTAC ATAGTTATAGAAGATTTGTGGAAGCAAAATTTTCAGAAGCCAGGAAATGTGAAGAATTCACCTGGAAATA AATAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001199339
Insert Size:	495 bp
OTI Disclaimer:	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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	NM_001199339.1, NP_001186268.1
RefSeq Size:	1215 bp
RefSeq ORF:	495 bp
Locus ID:	68316
UniProt ID:	Q9DCZ4
Cytogenetics:	X C3
Gene Summary:	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] Transcript Variant: This variant (4) contains a different segment for its 5' end which results in the use of a downstream start codon, compared to variant 1. The resulting protein (isoform 3) has a shorter N-terminus when it is compared to isoform 1. Variants 3 and 4 encode the same protein.