

Product datasheet for **MC201850**

Apool (NM_026565) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apool (NM_026565) Mouse Untagged Clone
Tag: Tag Free
Symbol: Apool
Synonyms: 6720473G16Rik; 9430083G14Rik; E130106L15Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024334 sequence for NM_026565
 AGAGGGTCATAGGTATGGCGCCTTTAGGATGGGAAAGTTGACAACCATACCTGCAGGTCTGATATATGC
 ATCTATAAATGTGCGTCTTGCCAAAGAAGAGGAACCCAAAAAGCAGCTAGTGAGACCGGACCAGCTCCCC
 ATATATACTGCACCACCCCTCCATTCTAAATATGTTGAAGAACAGCCTGGTAATTTACAAAGGGCTTTG
 CATCCATCCGTA CTACAACCGTGTATTATATTGGCTGGTGCAAGAGCATTATCTCTTTATGAAGATGG
 GGTATGGATACAGTACAGTTTGGAAAAGATGCATATGTCTATCTGAAGAATCCTCCGCAAGATTTTCTC
 CCCAAAATGGGAGTGATTACAGTTCGGGACTGGCAGGTTTCTTTAGCAAGAAAAGTTCCAGGTTTA
 AGAAGATTGCTTATCCACTAGGACTGGCCACATTAGGAGCGACTGTTTGTACCCAGCTCAGTCAGTAAT
 AATTGCAAAGATAACTGGGAAAAGGCATATGCTACAAGCCAGCAAAATTTTCAAGCCATTAAGTCATTG
 TGGACACAAAAAAGTGAAAACGAATCACTCCCTGAACCAAGGAAGCAAGGAAGGAAGGTCTGATG
 AAATCCATGCCAGCTTGCCTGACCTGAAACATTCAGTGTCTTTGCCAAAAGAACTGCCTCTGCAACAGT
 GATTAATCAGAAATCTACCTCAGTACTACACAGTTCATTCTGACCCCAAGCTCATGGATCATGGGCGAG
 TCTCATCCAGATGATAAAGATATGTACAGCACTAGAAGCTGAACTAGTTTGCAGAGGGAGCTGCATAGA
 GAACTGCAAGATGTACCAAGTTGCAAAATGGTAAAAATCACATAATGAACGGGTAAGTACAAAAATG
 TGACTTGAAATTTTCCACGACATTTTCAAATAAACAGTTTGGCCAATGAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026565

Insert Size: 798 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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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:	<ol style="list-style-type: none">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:	<u>BC024334</u> , <u>AAH24334</u>
RefSeq Size:	1001 bp
RefSeq ORF:	798 bp
Locus ID:	68117
UniProt ID:	<u>Q78IK4</u>
Cytogenetics:	X E1
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. Specifically binds to cardiolipin (in vitro) but not to the precursor lipid phosphatidylglycerol. Plays a crucial role in crista junction formation and mitochondrial function.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).