

## Product datasheet for **MC206074**

### Apoa1bp (BC058362) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoa1bp (BC058362) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Apoa1bp  
**Synonyms:** Apoa1ip, AIBP, AI-BP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC058362  
CGAATGTCCGGGCTGCGGACGCTGCTGGGGCTGGGGCTGCTGGTTGCGGGCTCGCGCCTGCCACGGGTCA  
TCAGCCAGCAGAGTGTGTGTCGTGCAAGGCCATCTGGTGGGGAACACAGCGCCGGGGCTCGGAGACCAT  
GGCGGGCGCTGCGGTGAAGTACTTAAGTCAGGAGGAGGCTCAGGCCGTGGACCAAGAGCTTTTAAACGAG  
TATCAGTTCAGCGTGGATCAACTCATGGAGCTGGCCGGGTTGAGCTGTGCCACGGCTATTGCCAAGGCTT  
ATCCCCCACGTCTATGTCCAAGAGTCCCCGACTGTCTTGGTCACTGTGGCCCCGAAAATAACGGAGG  
GGATGGGCTGGTCTGTGCGCGACACCTCAAACCTTTTTGGTTACCAGCCAATCTATTACCCAAAAGA  
CCTAACAGCCCCTCTTCACTGGGCTAGTACTGACTCAGTGTGAGAAAATGGACATTCCTTTCCCTTGGTGAAA  
TGCCCCCAGAGCCCATGATGGTGGACGAGCTGTATGAGCTGGTGGTGGACGCCATCTTCGGCTTCAGTTT  
CAAGGGTGACGTTTCGGGAGCCATTCACAGCATCCTGAGTGTCTTGAGTGGACTCACTGTGCCATTGCT  
AGCATCGACATTCCTCAGGATGGGATGTAGAGAAGGAAACCCTAGCGGAATCCAACCAGACTTACTCA  
TCTCACTGACGGCACCAAGAAGTCTGCAACTCACTTTACTGGCCGATATCATTACCTTGGGGTGCCTT  
TGTACCACCTGCTCTAGAGAAGAAGTACCAGCTGAACCTGCCATCTTACCCTGACACAGAGTGTGTCTAC  
CGTCTACAGTAAGGGAGGTGGGTAGGCAGGATTCTCAATAAAGACTTGGTACTTTCTGTCTTGAIAAAAAA  
AAATAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI

**ACCN:** BC058362

**Insert Size:** 849 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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<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="#">BC058362</a> , <a href="#">AAH58362</a>
<b>RefSeq Size:</b>	938 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	246703
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	Catalyzes the epimerization of the S- and R-forms of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration. This is a prerequisite for the S-specific NAD(P)H-hydrate dehydratase to allow the repair of both epimers of NAD(P)HX. [UniProtKB/Swiss-Prot Function]