

Product datasheet for MC206904

Atpbd4 (BC022995) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atpbd4 (BC022995) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atpbd4
Synonyms:	5730421E18Rik; Atpbd4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206904 representing BC022995. Blue=ORF Red=Cloning site Green=Tag(s)

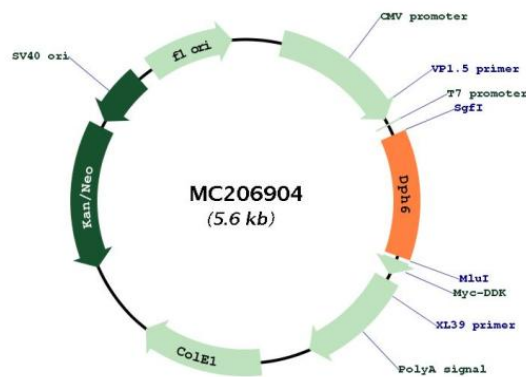
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGTCGCGGCCCTGATCAGTGGTGGGAAGGACAGCTGTTACAACATGATGCAGTGCATTGCTGAG
GGGCATCAAATTGTTGCATTAGCAAATCTAAGACCAGATGAAAACCAAGTGGAGTCAGATGAACTGGAT
AGCTATATGTATCAGACAGTGGGTACCCATGCCATTGACTTGTATGCTGAAGCAATGGCGCTGCCCTG
TATCGCAGAGCCATCAGAGGAAGGAGCTTGGAGACAGGAAGATTTATACGCAATGTGAAGGTGACGAG
GTTGAAGATCTCTATGAACTGTTGAACTTGTAAAGAAAAGAAGAAATCGAAGGGGTATCAGTAGGT
GCTATACTCTGACTATCAACGTGGACGAGTAGAAAATGTATGTAACGACTCAATCTCCAGCCTTTA
GCTTATCTTTGGCAAAGAAACCAGGAAGATTTGCTCCGAGAGATGATAGCTTCTAATATCAAGGCCATT
ATCATCAAAGTAGCAGCTTTGGGCTTAGATCCTGATAAGCATCTTGGGAAAACCTGGTTGAAATGGAG
CCTTATCTTTAGAGGGACTCTTCAGAAGCAGTCATGCACTCAGCGGATGCATTCGCACCTGTGGCTTA
TCTGCGGCTCTCCCGCTGCACTTGAAGAGAAAGTGTGTCGTCAGTACCTGCGGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: BC022995

Insert Size: 678 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).

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: [BC022995](#)

RefSeq Size: 2693 bp

RefSeq ORF: 677 bp

Locus ID: 66632

Cytogenetics: 2 E4

MW: 25 kDa

Gene Summary: Amidase that catalyzes the last step of diphthamide biosynthesis using ammonium and ATP. Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor 2 (EEF2) to diphthamide (By similarity).[UniProtKB/Swiss-Prot Function]