

## Product datasheet for **MC207804**

### Upb1 (NM\_133995) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upb1 (NM\_133995) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Upb1  
**Synonyms:** A1195023  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207804 representing NM\_133995  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGGACCGGAGTGGCAGTCCCTGGAGCAGTGCCTGGAAAAACATCTGCCGCTGACGATTTGGCCC  
AGGTGAAGCGAATTCTCTACGGCAAGCAGACTAGGAATCTCGATCTGCCAGAGAAGCTTTAAAAGCTGC  
CTCAGAAAAGAACTTTGAACTGAAGGGATATGCCTTCGGGGCAGCCAAGGAGCAGCAGAGATGCCCCAG  
ATCGTGCCGCTGGGGCTCGTTTCAAGACAGAAATCCCGCTCCCACTTCTGCCCCCGTGGCAGAACAGGTCT  
CTGCGCTCCACAAGAGCATAGAGGAGATTGCTGAGGTGGCCGCAATGTGTGGAGTCAATATCATCTGTTT  
CCAGGAAGCATGGAATATGCCGTTTCGTTTTGTACACGAGAGAAACTTCCTTGGACAGAATTTGCTGAG  
TCGGCCGAGGATGGGCTCACCACCAGGTTCTGTGAGAAGCTGGCAAGAAGCACAACATGGTGGTGGTGT  
CTCCAATCTTGGAGCGTGATAGAGAGCATGGGGGAGTTCTGTGGAACACAGCTGTGGTGTCTCCAATTC  
AGGGCTGGTCAATGGGAAGACCAGAAAGAACCACATCCCAGAGTGGGAGACTTCAACGAGTCCACTTAC  
TACATGGAGGGAAACCTGGGCCACCCCGTGTCCAGACCCAGTTTGGCAGGATTGCAGTGAACATTTGCT  
ATGGGCGGCACCACCCCTCAACTGGCTCATGTACAGCATCAACGGAGCTGAAATCATCTTCAACCCTTC  
GGCCACCATTGGAGAAGCTCAGTGAGTCTTGTGGCCGATCGAAGCCAGAAATGCAGCCATTGCCAATCAC  
TGCTTCACTGTGCTCTCAACCGTGTGGGTGAGGAACACTTCCCCAATGAGTTTACTTCTGGAGATGGAA  
AGAAAGCTCACCATGACCTCGGCTACTTCTATGGTTCGAGCTATGTGGCAGCTCCCGATGGCAGCCGGAC  
CCCCGGCTCTCCGTAATCAGGATGGGCTGCTGGTCACGGAGCTCAACCTCAATCTCTGCCAGCAGATC  
AATGATTTCTGGACTTTCAAGATGACGGGACGACTTGAGATGTATGCCCGGAACTTGGCAGCGGTCA  
AACCCAACTACAGTCCCAACATTGTGAAGGAAGACCTGGTACTAGCCCTAGCTCGGGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_133995
<b>Insert Size:</b>	1182 bp
<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>RefSeq:</b>	<u><a href="#">NM_133995.4</a></u> , <u><a href="#">NP_598756.1</a></u>
<b>RefSeq Size:</b>	3042 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	103149
<b>UniProt ID:</b>	<u><a href="#">Q8VC97</a></u>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	This gene encodes an enzyme that catalyzes the conversion of N-carbamyl-beta-aminoisobutyric acid and N-carbamyl-beta-alanine to beta-aminoisobutyric acid or beta-alanine. Mutations in the related gene in human have been associated with beta-ureidopropionase deficiency. [provided by RefSeq, Dec 2013]