

## Product datasheet for **MC227040**

### Upp2 (NM\_001289660) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upp2 (NM\_001289660) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Upp2  
**Synonyms:** 1700124F02Rik; AI266885; UDRPASE2; UP2; UPASE2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227040 representing NM\_001289660  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCGCCCGCCGCCCCGACCCCGACCCCTTCGGGCCCGCCGGGCTGTGGGCTGCTGCGAGCCGGCT  
 GCGGGACGCGGGGAGGCGCGGCACGGGGAGCGCCAGAGTATGGCTTCCATTTTGCCTGCTTCTAA  
 TAGATCCATGAGACCTGACAAGAATACATACGAGAGAAAACGGTCTGTGTATGTTAAGAATCCATACCTG  
 GAAGGCATGGACGAAGACATTCTCTACTTGGATTTAGGAACCAAAACACACAACCTACCAGCAATGT  
 TTGGGGATGTAAGTTTGTCTGCGTTGGTGGGAGCCGAACAGAATGAAGGCATTTGCACAGTTTATGCA  
 CAAGGAACTCCGTTGGAGGGAGATGGAGAAGACATTGAAGACATCTGTGCGGGGACAGACAGATACTGC  
 ATGTTCAAACAGGCCCGTCTCCGTCAGTCACGGGATGGGCATCCCCTCCATTTCCATTATGCTCC  
 ACGAACTCATCAAATACTCCACCATGCACACTGCTGTGATGTTACCATCATCAGAATTGGAACGTCAGG  
 GGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAGCTGTAGACTCCTTCTCAAGCCTCGA  
 TTTGAGCAGGTCATCTTGATAACGTGGTCACCCGAAGCACTGAGCTTGACAAAGAACTGGCTAATGATC  
 TGTTCAACTGTAGCAGAGAAATCCCAATGTTCCAACCCTCATCGGACACAGATGTGTACCTATGACTT  
 TTATGAAGGCCAAGTTCGCTAGATGGGCGTTATGCTCCTTTTCGAGAGAGAAAAGCTAGACTACTTG  
 AAGAGAGCATACAGAGCTGGTGTAGGAACATTGAAATGGAATCGACTGTGTTCCGAGCCATGTGTGGCC  
 TGTGTGGCCTGAGAGTAGTTCCTATGTCAGCAAATAGTGTCCGGCTGAAAACCTGCAAACCTACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001289660  
**Insert Size:** 978 bp



[View online »](#)

<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001289660.1</a></u> , <u><a href="#">NP_001276589.1</a></u>
<b>RefSeq Size:</b>	2219 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	76654
<b>Cytogenetics:</b>	2 C1.1
<b>Gene Summary:</b>	<p>Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains alternate 5' and 3' terminal exons, initiates translation at an alternate start codon and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes variant 2, which is shorter and has distinct N- and C-termini, compared to isoform 1.</p>