

## Product datasheet for MC211763

### Upp2 (NM\_029692) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upp2 (NM\_029692) 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:** >MC211763 representing NM\_029692  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCCATTTTGCTGCTTCTAATAGATCCATGAGACCTGACAAGAATACATACGAGAGAAAACGGT  
 CTGTGTATGTTAAGAATCCATACCTGGAAGGCATGGACGAAGACATTCTCTATCACTTGGATTTAGGAAC  
 CAAAACACACAACCTACCAGCAATGTTTGGGGATGTAAGTTTGTCTGCGTTGGTGGGAGCCCGAACAGA  
 ATGAAGGCATTTGCACAGTTTATGCACAAGGAACCCGGTTGGAGGGAGATGGAGAAGACATTGAAGACA  
 TCTGTGCGGGGACAGACAGATACTGCATGTTCAAACAGGCCCGTCTCCGTCCAGTACACGGGATGGG  
 CATCCCCCTCCATTTCCATTATGCTCCACGAACCTCATCAAATTACTCCACCATGCACACTGCTGTGATGTT  
 ACCATCATCAGAATTGGAACGTCAGGGGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAG  
 CTGTAGACTCCTTCTCAAGCCTCGATTTGAGCAGGTCATCTTGGATAACGTGGTCACCCGAAGCACTGA  
 GCTTGACAAAGAAGTGGCTAATGATCTGTTCAACTGTAGCAGAGAAATCCCCAATGTTCCAACCCATC  
 GGACACACGATGTGTACCTATGACTTTTATGAAGGCCAAGGTCGCTAGATGGGGCGTTATGCTCCTTTT  
 CGAGAGAGAAAAAGCTAGACTACTTGAAGAGAGCATAACAGAGCTGGTGTGTCAGGAACATTGAAATGGAATC  
 GACTGTGTTGCGAGCCATGTGTGGCCTGTGTGGCCTGAGAGCTGCTGTGGTCTGTGTGACACTTCTTGAC  
 AGACTCGAGAGTGACCAATCAATTTGTCCCATGATGTCCTGGTGGAGTACCAGCAACGGCCACAGCTTC  
 TAATCTCAAATTTTCATCAAAAAACAGCTTGGACTTTGTGACCAGATGTCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_029692  
**Insert Size:** 963 bp



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|-------------------------------|--|
| <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>                | <a href="#">NM_029692.3</a> , <a href="#">NP_083968.1</a>  |
| <b>RefSeq Size:</b>           | 2202 bp  |
| <b>RefSeq ORF:</b>            | 963 bp   |
| <b>Locus ID:</b>              | 76654  |
| <b>UniProt ID:</b>            | <a href="#">Q8CGR7</a>   |
| <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 (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. It encodes isoform 3, which lacks an internal segment and is shorter, compared to isoform 1. Sequence Note:.</p> |