

Product datasheet for **MC227124**

Upp2 (NM_001289659) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Upp2 (NM_001289659) 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: >MC227124 representing NM_001289659
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCCATTTTGCTGCTTCTAATAGATCCATGAGACCTGACAAGAATACATACGAGAGCCCTGGCT
GGACTGAGATCCACAGTACAGACCAGGCTGCCCTCAGATTCACAGAAAACGGTCTGTGTATGTTAAGAA
TCCATACCTGGAAGGCATGGACGAAGACATTCTCTATCACTTGGATTTAGGAACAAAACACACAACCTA
CCAGCAATGTTTGGGGATGTAAAGTTTGTCTGCGTTGGTGGGAGCCCGAAGCAATGAAGGCATTTGCAC
AGTTTATGCACAAGGAATCCGGTTGGAGGGAGATGGAGAAGACATTGAAGACATCTGTGCGGGGACAGA
CAGATACTGCATGTTCAAAACAGGCCCGTCTCCGTCAGTCACGGGATGGGCATCCCTCCATTTCC
ATTATGCTCCACGAATCATCAAATTAATCCACCATGCACACTGCTGTGATGTTACCATCATCAGAATTG
GAACGTCAGGGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAGCTGTAGACTCCTTCTT
CAAGCCTCGATTTGAGCAGGTCATCTTGGATAACGTGGTCACCCGAAGCACTGAGCTTGACAAAGAACTG
GCTAATGATCTGTTCAACTGTAGCAGAGAAATCCCAATGTTCCAACCTCATCGGACACACGATGTGTA
CCTATGACTTTTATGAAGCCAAGTGCCTAGATGGGGCGTTATGCTCCTTTTCGAGAGAGAAAAGCT
AGACTACTTGAAGAGAGCATACAGAGCTGGTGTGTCAGGAACATTGAAATGGAATCGACTGTGTTCCGAGCC
ATGTGTGGCCTGTGTGGCCTGAGAGCTGCTGTGGTCTGTGTGACACTTCTTGACAGACTCGAGAGTGACC
AAATCAATTTGTCCCATGATGTCCTGGTGGAGTACCAGCAACGGCCACAGCTTCTAATCTCAAATTCAT
CAAAAACAGCTTGGACTTTGTGACCAGATGTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289659



Insert Size:	1017 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001289659.1</u> , <u>NP_001276588.1</u>
RefSeq Size:	2256 bp
RefSeq ORF:	1017 bp
Locus ID:	76654
Cytogenetics:	2 C1.1
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>