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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211763 representing NM_029692
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCCATTTTGCCTGCTTCTAATAGATCCATGAGACCTGACAAGAATACATACGAGAGAAAACGGT
CTGTGTATGTTAAGAATCCATACCTGGAAGGCATGGACGAAGACATTCTCTATCACTTGGATTTAGGAAC
CAAAACACACAACCTACCAGCAATGTTTGGGGATGTAAAGTTTGTCTGCGTTGGTGGGAGCCCGAACAGA
ATGAAGGCATTTGCACAGTTTATGCACAAGGAACTCCGGTTGGAGGGAGATGGAGAAGACATTGAAGACA
TCTGTGCGGGGACAGACAGATACTGCATGTTCAAAACAGGCCCCGTGCTCTCCGTCAGTCACGGGATGGG
CATCCCCTCCATTTCCATTATGCTCCACGAACTCATCAAATTACTCCACCATGCACACTGCTGTGATGTT
ACCATCATCAGAATTGGAACGTCAGGGGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAG
CTGTAGACTCCTTCTTCAAGCCTCGATTTGAGCAGGTCATCTTGGATAACGTGGTCACCCGAAGCACTGA
GCTTGACAAAGAACTGGCTAATGATCTGTTCAACTGTAGCAGAGAAATCCCCAATGTTCCAACCCTCATC
GGACACACGATGTGTACCTATGACTTTTATGAAGGCCAAGGTCGCCTAGATGGGGCGTTATGCTCCTTTT
CGAGAGAGAAAAAGCTAGACTACTTGAAGAGAGCATACAGAGCTGGTGTCAGGAACATTGAAATGGAATC
GACTGTGTTCGCAGCCATGTGTGGCCTGTGTGGCCTGAGAGCTGCTGTGGTCTGTGTGACACTTCTTGAC
AGACTCGAGAGTGACCAAATCAATTTGTCCCATGATGTCCTGGTGGAGTACCAGCAACGGCCACAGCTTC
TAATCTCAAATTTCATCAAAAAACAGCTTGGACTTTGTGACCAGATGTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_029692

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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Insert Size:	963 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:	NM_029692.3, NP_083968.1
RefSeq Size:	2202 bp
RefSeq ORF:	963 bp
Locus ID:	76654
UniProt ID:	Q8CGR7
Cytogenetics:	2 C1.1
Gene Summary:	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] 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:.

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