

Product datasheet for **MR205044**

Upp2 (BC027189) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upp2 (BC027189) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Upp2
Synonyms:	UP2, UPASE2, UDRPASE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205044 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCATTTGCGCTTCTAATAGATCCATGAGACCTGACAAGAATACATACGAGAGCCCTGGCT
GGACTGAGATCCACAGTACAGACCAGGCTGCCCTCAGATTCACAGAAAACGGTCTGTGTATGTTAAGAA
TCCATACCTGGAAGGCATGGACGAAGACATTCTCTATCACTTGGATTTAGGAACCAAAACACACAACCTA
CCAGCAATGTTTGGGGATGTAAGTTTGTCTGCGTTGGTGGGAGCCGAACAGAATGAAGGCATTTGCAC
AGTTTATGCACAAGGAACCTCCGGTTGGAGGGAGATGGAGAAGACATTGAAGACATCTGTGCGGGGACAGA
CAGATACTGCATGTTCAAAACAGGCCCGTCTCCGTGATCACGGGATGGGCATCCCTCCATTTCC
ATTATGCTCCACGAACATCAAATTAATCCACCATGCACACTGCTGTGATGTTACCATCATCAGAATTG
GAACGTCAGGGGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAGCTGTAGACTCCTTCTT
CAAGCCTCGATTTGAGCAGGTACTCTGGATAACGTGGTCACCCGAAGCACTGAGCTTGACAAAAGACTG
GCTAATGATCTGTTCACTGTAGCAGAGAAATCCCAATGTTCCAACCTCATCGACACACGATGTGTA
CCTATGACTTTTATGAAGCCAAGGTCGCTTAGATGGGGCGTTATGCTCCTTTTCGAGAGAGAAAAAGCT
AGACTACTTGAAGAGAGCATACAGAGCTGGTGTGAGAACATTGAAATGGAATCGACTGTGTTCCGACGCC
ATGTGTGGCCTGTGTGGCCTGAGAGCTGCTGTGGTCTGTGTGACACTTCTTGACAGACTCGAGAGTGACC
AAATCAATTTGTCCCATGATGTCCTGGTGGAGTACCAGCAACGGCCACAGCTTCTAATCTCAAATTTTCAT
CAAAAAACAGCTTGGACTTTGTGACCAGATGTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205044 protein sequence
Red=Cloning site Green=Tags(s)

MASILPASNRSMRPDKNTYESPGWTEIPQYRPGCPQIHRKRSVYVKNPYLEGMDEDILYHLDLGTKTHNL
 PAMFGDVKFVFCVGGSPNRMKAFQFMHKELRLEGDGEDIICAGTDRYCMFKTGPVLSVSHGMGIPSIS
 IMLHEL IKLLHHAHCCDVTIIRIGTSGGIGIAPGSVVITDTAVDSFFKPRFEQVILDNVVTRSTELDKEL
 ANDLFNCSREIPNVPTLIGTMCYDFYEGQGRLDGALCSFSREKKLDYLKRAYRAGVRNIEMESTVFAA
 MGLCGLRAAVVCYTLDRLESDQINLSHDVLEVEYQRPQLLISNFIKKQLGLCDQMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC027189

ORF Size: 1014 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC027189](#), [AAH27189](#)

RefSeq Size: 2512 bp

RefSeq ORF: 1016 bp

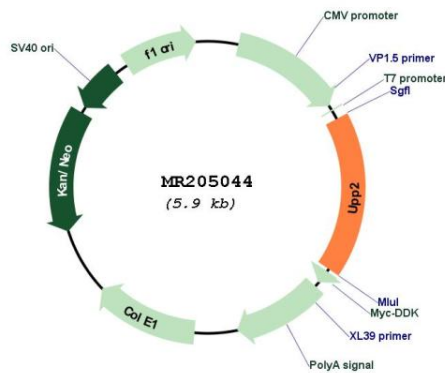
Locus ID: 76654

Cytogenetics: 2 C1.1

MW: 37.8 kDa

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]

Product images:



Circular map for MR205044