

Product datasheet for MR229251

Upp2 (NM_001289660) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Upp2 (NM_001289660) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Upp2
Synonyms: 1700124F02Rik; AI266885; UDRPASE2; UP2; UPASE2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229251 representing NM_001289660
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCGCCCGCCCGCCCGACCCCGACCCCTTCGGGCCCGCCGGGCTGTGGGCTGCTGCGAGCCGGCT
GGCGGGACGCGGGGAGGCGCGGCACGGGGAGCGCCAGAGTATGGCTTCCATTTTGCCTGCTTCTAA
TAGATCCATGAGACCTGACAAGAATACATACGAGAGAAAACGGTCTGTGTATGTTAAGAATCCATACCTG
GAAGGCATGGACGAAGACATTCTCTACTTGGATTTAGGAACCAAAACACACAACCTACCAGCAATGT
TTGGGGATGTAAGTTTGTCTGCGTTGGTGGGAGCCGAACAGAATGAAGGCATTTGCACAGTTTATGCA
CAAGGAACTCCGGTTGGAGGGAGATGGAGAAGACATTGAAGACATCTGTGCGGGGACAGACAGATACTGC
ATGTTCAAACAGGCCCGTCTCCGTCAGTCACGGGATGGGCATCCCCTCCATTTCCATTATGCTCC
ACGAACTCATCAAATACTCCACCATGCACACTGCTGTGATGTTACCATCATCAGAATTGGAACGTCAGG
GGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAGCTGTAGACTCCTTCTCAAGCCTCGA
TTTGAGCAGGTCATCTTGATAACGTGGTCACCCGAAGCACTGAGCTTGACAAAGAACTGGCTAATGATC
TGTTCAACTGTAGCAGAGAAATCCCAATGTTCCAACCCATCGGACACACGATGTGTACCTATGACTT
TTATGAAGGCCAAGGTCGCCTAGATGGGCGTTATGCTCCTTTTCGAGAGAGAAAAAGCTAGACTACTTG
AAGAGAGCATACAGAGCTGGTGTAGGAACATTGAAATGGAATCGACTGTGTTCCGAGCCATGTGTGGCC
TGTGTGGCCTGAGAGTAGTTCCTATGTCAGCAAATAGTGTCCGGCTGAAAACCTGCAAACACTACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229251 representing NM_001289660
 Red=Cloning site Green=Tags(s)

MLARRPRPPTLRAARAVGCCEPGWRDAGEARGTGSGQSMASILPASNRSMRPDKNTYERKRSVYVKNPYL
 EGMDEDILYHLDLGTKTHNLPAMFGDVKFVCGGSPNRMKAFQFMHKELRLEGDGEDIEDICAGTDRYC
 MFKTGPVLSVSHGMGIPISIMLHELKLLHHAHCCDVTIIRIGTSGGIGIAPGSVVITDTAVDSFFKPR
 FEQVILDNVVTRSTELDKELANDLFNCSREIPNVPTLIGHTMCTYDFYEQGRLDGALCSFSREKKLDYL
 KRAYRAGVRNIEMESTVFAAMCGLCGLRVVPMANSVRLKTKLL

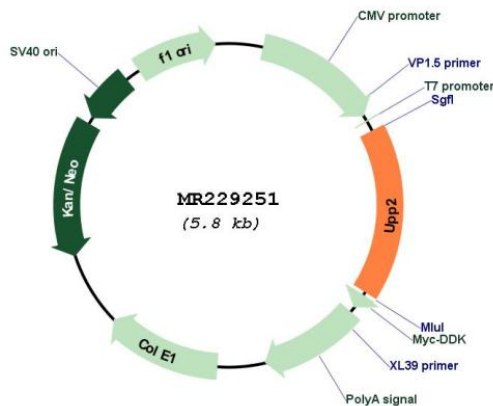
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289660

ORF Size: 975 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:	<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:	NM_001289660.1 , NP_001276589.1
RefSeq Size:	2219 bp
RefSeq ORF:	978 bp
Locus ID:	76654
Cytogenetics:	2 C1.1
MW:	36.4 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]