

Product datasheet for RC207260

UPP2 (NM_173355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UPP2 (NM_173355) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UPP2
Synonyms:	UDRPASE2; UP2; UPASE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207260 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCAGTTATACCTGCCTCCAATAGGTCCATGAGATCTGACAGGAATACATATGTTGGAAAAAGGT
TTGTTACAGTTAAAAATCCTTACTTGGATTTGATGGATGAAGACATTCTCTATCACTTGGATTTGGGAAC
AAAAACACACAACCTACCAGCAATGTTTGGAGATGTAAGTTTGTCTGTGTGGTGGGAGCCCCAACAGA
ATGAAAGCATTGCACTGTTTATGCACAAGGAGCTCGGGTTTGGGAAGCTGAAGAAGACATAAAAGACA
TCTGTGCTGGGACAGACAGATACTGTATGTACAAAACCGGCCTGTGCTCGCCATCAGTCACGGCATGGG
CATCCCCTCCATTCTATTATGCTTCATGAACTCATCAAATACTCCACCATGCACGGTGTGCGATGTC
ACCATTATTAGAATCGGTACATCAGGGGGAATAGGGATTGCACCAGGGACTGTTGTAATAACGGATATAG
CTGTAGACTCCTCTTTAAGCCCCGGTTTGAACAGGTCATTTTGGACAACATTGTCACCCGAAGTACTGA
ACTGGACAAGAAGTGTCTGAAGAAGTGTCAACTGTAGCAAAGAAATCCCCAACTTCCCAACCTCGTT
GGACATACAATGTGTACCTATGATTTTTATGAAGGCCAAGGCCGACTAGATGGAGCACTGTGCTCCTTTT
CCAGAGAAAAAAGTTAGACTACTTGAAGAGAGCATTTAAAGCTGGTGTGAGGAATTTGAAATGGAATC
TACAGTGTGGCAGCTATGTGTGGACTCTGTGGTCTAAAAGCTGCTGTGGTCTGTGTGACACTTCTCGAC
AGACTCGACTGTGATCAGATCAACTGCCTCATGATGTCTGGTGGAGTACCAGCAACGGCCTCAGCTCC
TAATCTCCAACCTCATCAGACGGCGGCTTGGACTTTGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_173355.4](#)

RefSeq Size: 2413 bp

RefSeq ORF: 954 bp

Locus ID: 151531

UniProt ID: [O95045](#)

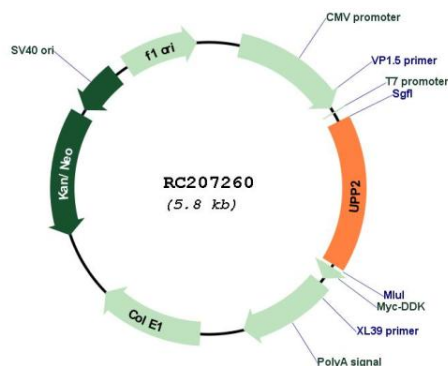
Cytogenetics: 2q24.1

Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

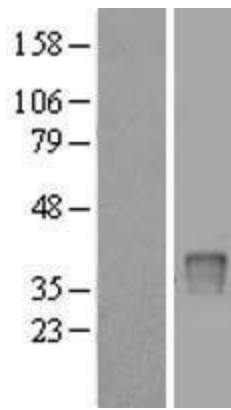
MW: 35.5 kDa

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. Shows substrate specificity and accept uridine, deoxyuridine, and thymidine as well as the two pyrimidine nucleoside analogs 5-fluorouridine and 5-fluoro-2(')-deoxyuridine as substrates. [UniProtKB/Swiss-Prot Function]

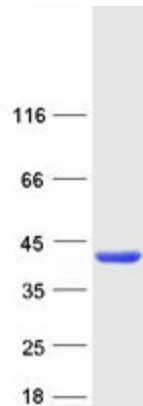
Product images:



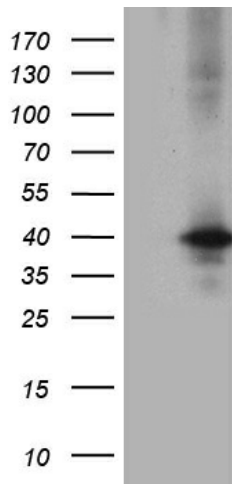
Circular map for RC207260



Western blot validation of overexpression lysate (Cat# [LY406610]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207260 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UPP2 protein (Cat# [TP307260]). The protein was produced from HEK293T cells transfected with UPP2 cDNA clone (Cat# RC207260) using MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UPP2 (Cat# RC207260, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UPP2 (Cat# [TA812319]). Positive lysates [LY406610] (100ug) and [LC406610] (20ug) can be purchased separately from OriGene.