

## Product datasheet for **TP307260**

### UPP2 (NM\_173355) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human uridine phosphorylase 2 (UPP2), transcript variant 1, 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC207260 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MASVIPASNRSMSRDRNTYVGKRFVHVKNPYLDLMDDEDILYHLDLGTKTHNLPAMFGDVKFCVGGSPNR  
MKAFALFMHKELGFEEAEEDIKDICAGTDRYCMYKTGPVLAISHGMGIPSISIMLHELKLLHHARCCDV  
TIIRIGTSGGIGIAPGTVITDIAVDSFFKPRFEQVILDNIVTRSTELDKELSEELFNCSEKIPNFPTLV  
GHTMCTYDFYEGQGRLDGALCSFSREKLDYKRAFKAQVNRNIEMESTVFAAMCGLCGLKAAVVCVTLTD  
RLDCDQINLPHDVLVEYQQRPELLISNFIRRRRLGLCD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 35.3 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_775491](#)  
**Locus ID:** 151531



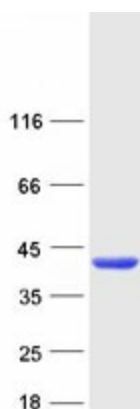
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UniProt ID: [Q95045](#)  
RefSeq Size: 2413  
Cytogenetics: 2q24.1  
RefSeq ORF: 951  
Synonyms: UDRPASE2; UP2; UPASE2

**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]

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

### Product images:



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]).