

Product datasheet for **TP307260M**

UPP2 (NM_173355) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human uridine phosphorylase 2 (UPP2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207260 protein sequence Red =Cloning site Green =Tags(s)
	<p>MASVIPASNRSMSRDRNTYVGKRFVHVKNPYLDLMDDEDILYHLDLGTKTHNLPAMFGDVKFVCGGSPNR MKAFALFMHKELGFEEAEEDIKDICAGTDRYCMYKTGPVLAISHGMGIPSISIMLHELKLLHHARCCDV TIIRIGTSGGIGIAPGTVITDIAVDSFFKPRFEQVILDNIVTRSTELDKELSEELFNCSEKIPNFPTLV GHTMCTYDFYEGQGRLDGALCSFSREKLDYLKRAFKAGVRNIEMESTVFAAMCGLCGLKAAVVCVTLTD RLDCDQINLPHDVLVEYQQRPELLISNFIRRRRLGLCD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<u>NP_775491</u>
Locus ID:	151531



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UniProt ID: [Q95045](#), [A0A0S2Z634](#)

RefSeq Size: 2413

Cytogenetics: 2q24.1

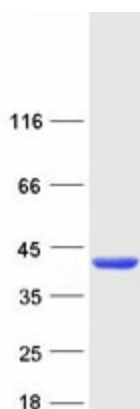
RefSeq ORF: 954

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]).