

Product datasheet for PH307260

UPP2 (NM_173355) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UPP2 MS Standard C13 and N15-labeled recombinant protein (NP_775491)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207260
Predicted MW:	35.5 kDa
Protein Sequence:	>RC207260 protein sequence Red=Cloning site Green=Tags(s) MASVIPASNRSMSDRNTYVGKRFVHVKNPYLDLMDDEDILYHLDLGKTHNLPAMFGDVKFVCGGSPNR MKAFALFMHKELGFEEAEEDIKDICAGTDRYCMYKTGPVLAISHGMGIPISIMLHELKLLHHARCCDV TIIRIGTSGGIGIAPGTVVITDIAVDSFFKPRFEQVILDNIVTRSTELDKELSEELFNSKEIPNFPTLV GHTMCTYDFYEGQGRLDGALCSFSREKKLDYLKRAFKAGVRNIEMESTVFAAMCGLCGLKAAVVCVTLDD RLDCDQINLPHDVLVEYQQRPLLISNFIRRLGLCD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_775491
RefSeq Size:	2413
RefSeq ORF:	954
Synonyms:	UDRPASE2; UP2; UPASE2
Locus ID:	151531



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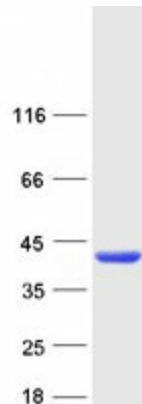
UniProt ID: [O95045](#), [A0A0S2Z634](#)

Cytogenetics: 2q24.1

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]).