

Recombinant Human UPP1, His-tagged

Cat. No. UPP1-31675TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human Uridine Phosphorylase 1 , with N terminal His tag; 330aa, 36kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	310 amino acids
Description	The 2 known types of pyrimidine nucleoside phosphorylases, uridine phosphorylase (UP; EC 2.4.2.3) and thymidine phosphorylase (TP; EC 2.4.2.4), in the presence of orthophosphate, catalyze the reversible phosphorolysis of uridine and thymidine or deoxyuridine, respectively, to free bases and ribose-1-phosphate or deoxyribose-1-phosphate.
Conjugation	HIS
Molecular Weight	36.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 40% Glycerol, 200mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAATGANA EK AESHNDCPVR LLNPNI AKMK EDILYHFNLT TSRHNFPALF GDVKFVCVGG SPSRMKAFIRCVGAELGLDC PGRDYPNICA GTDRYAMYKV GPVLSVSHGM GIPSISIMLH ELIKLLYYAR CSNVTIIRIG TSGGIGLEPG TVVITEQAVDTCFKA EFEQI VLGKRVIRKT DLNKKLVQEL LLCSAELSEF TTVVGNTMCT LDFYEGQGRL DGALCSYTEK DKQAYLEAAY AAGVRNIEMESSVFAAMCSA CGLQAAVVCV TLLNRLEGDQ ISSPRNVLSE YQQR PQRLVS YFIKKKLSKA

GENE INFORMATION

Gene Name	UPP1 uridine phosphorylase 1 [Homo sapiens]
Official Symbol	UPP1
Synonyms	UPP1; uridine phosphorylase 1; UP, uridine phosphorylase; UDRPASE; UPASE; UPP;
Gene ID	7378
mRNA Refseq	NM_003364
Protein Refseq	NP_003355
MIM	191730
Uniprot ID	Q16831
Chromosome	7p12.3

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Location	
Pathway	(deoxy)ribose phosphate degradation, organism-specific biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem;
Function	catalytic activity; uridine phosphorylase activity;

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