

## UPRT Protein, Human (His)

Cat. No.:	HY-P71417
Synonyms:	Uracil phosphoribosyltransferase homolog; UPP; FUR1; UPRT
Species:	Human
Source:	E. coli
Accession:	Q96BW1 (M1-D309)
Gene ID:	139596
Molecular Weight:	Approximately 40.0 kDa

### PROPERTIES

AA Sequence	<pre> M A T E L Q C P D S   M P C H N Q Q V N S   A S T P S P E Q L R   P G D L I L D H A G G N R A S R A K V I   L L T G Y A H S S L   P A E L D S G A C G   G S S L N S E G N S G S G D S S S Y D A   P A G N S F L E D C   E L S R Q I G A Q L   K L L P M N D Q I R E L Q T I I R D K T   A S R G D F M F S A   D R L I R L V V E E   G L N Q L P Y K E C M V T T P T G Y K Y   E G V K F E K G N C   G V S I M R S G E A   M E Q G L R D C C R S I R I G K I L I Q   S D E E T Q R A K V   Y Y A K F P P D I Y   R R K V L L M Y P I L S T G N T V I E A   V K V L I E H G V Q   P S V I I L L S L F   S T P H G A K S I I Q E F P E I T I L T   T E V H P V A P T H   F G Q K Y F G T D           </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>Uracil phosphoribosyltransferase homolog (UPRT) catalyzes the conversion of uracil and 5-phosphoribosyl-1-R-diphosphate to uridine monophosphate (UMP). This reaction is an important part of nucleotide metabolism, specifically the pyrimidine salvage pathway. UPRT expressed strongly in human blood leukocytes, liver, spleen and thymus and moderately in the prostate, heart, brain, lung and skeletal muscle. UPRT localizes to the nucleus and cytoplasm. UPRT is a potential target for rational design of drugs to treat parasitic infections and cancer<sup>[1][2]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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