

## 32-8265: Recombinant Human Uracil Phosphoribosyltransferase Homolog/UPRT (N-6His)

**Gene :** UPRT  
**Gene ID :** 139596  
**Uniprot ID :** Q96BW1

### Description

Source: E. coli.  
MW :35.9kD.

Recombinant Human UPRT is produced by our E.coli expression system and the target gene encoding Met1-Asp309 is expressed with a 6His tag at the N-terminus. UPRT is a cytoplasmic enzyme which belongs to the UPRTase family. UPRT is highly expressed in leukocytes, liver, spleen and thymus, with lower expression in brain, lung and skeletal muscle. 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 is a potential target for rational design of drugs to treat parasitic infections and cancer

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMATELQCPDSMPCHNQQVNSASTPSPEQLRPGDLILDHAGGNRASRAKVILL  
TGYAHSSLPALDSGACGGSSLNSEGNSGSGDSSSYDAPAGNSFLEDCELSRQIGAQLKLLPMNDQIRELQTI  
RDKTASRGDFMFSADRLIRLVVEEGLNQLPYKECMVTTPTGYKYEGVKFEKGNGCVSIMRSGEAMEQGLRDCC  
RSIRIGKILIQSDEETQRAKVYAKFPPDIYRRKVLLMYPILSTGNTVIEAVKVLIEHGVQPSVILLSLFSTPHGAKSII  
QEFPEITLTTEVHPVAPTHFGQKYFGTD

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.