

## 32-8185: Recombinant Human Uridine Phosphorylase 1/UPP1 (N-6His)

**Gene ID :** 7378

**Uniprot ID :** Q86Y75

### Description

Source: E. coli.

MW :21.3kD.

Recombinant Human Uridine Phosphorylase 1 is produced by our E.coli expression system and the target gene encoding Met1-Ala173 is expressed with a 6His tag at the N-terminus. Uridinephosphorylase 1 (UPP1) is a member of the family of pentosyltransferase. UPP1 catalyses the reversible phosphorolysis of uridine to uracil. The expression levels and the enzymatic activity of UPP1 are higher in human solid tumors than in adjacent normal tissues. The high level of UPP1 expression in some tumors makes it a potential prognostic factor for some cancers, such as oral squamous cell carcinoma. UPP1 is important for the homeostatic regulation of intracellular and plasma uridine concentrations. UPP1 plays an important role in the pyrimidine salvage pathway through its catalysis of the reversible phosphorolysis of uridine to uracil.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM Tris, 200mM NaCl, 1mM DTT, pH 8.0.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMQRKLVTSLEPGTVVITEQAVDTCFKAEFEQIVLGKRVIRKTDLNKKLVQELL  
LCSAELSEFTTVVGNTMCTLDFYEGQGRLDGLCSYTEKDKQAYLEAAYAAGVRNIEMESSVFAAMCSACGLQ  
AAVVCVTLNRLLEGDQISSPRNVLSEYQRPQRLVSYFIKKKLSKA

### Application Note

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