



# Recombinant Protein Technical Manual

## Recombinant Human UPP1 Protein (His Tag)

RPES2291

### Product Data:

**Product SKU:** RPES2291

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q86Y75

### Protein Information:

**Molecular Mass:** 21.3 kDa

**AP Molecular Mass:** 18&41 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

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

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** UPP1 Protein; Uridine Phosphorylase 1; UPP1

## Immunogen Information:

**Sequence:** Met 1-Ala173

## Background:

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.