



Recombinant Protein Technical Manual

Recombinant Human UPRT Protein (His Tag)

RPES2272

Product Data:

Product SKU: RPES2272

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q96BW1

Protein Information:

Molecular Mass: 35.9 kDa

AP Molecular Mass: 40 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 TrisHCl, 150mM NaCl pH 8.0.

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

Application:

Synonyms: Uracil phosphoribosyltransferase homolog; UPP; FUR1; UPRT

Immunogen Information:

Sequence: Met 1-Asp309

Background:

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-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