

## Recombinant Human UPRT Protein (His Tag)

**Catalog Number:** PKSH033196

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

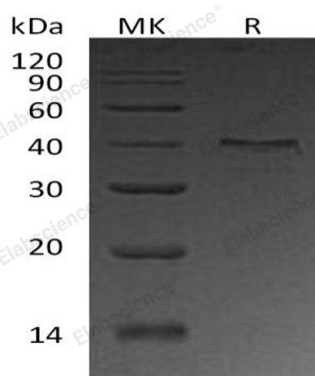
### Description

|                      |  |
|----------------------|--|
| <b>Species</b>       | Human  |
| <b>Source</b>        | E.coli-derived Human UPRT protein Met 1-Asp309, with an N-terminal His |
| <b>Calculated MW</b> | 35.9 kDa   |
| <b>Observed MW</b>   | 40 kDa   |
| <b>Accession</b>     | Q96BW1   |
| <b>Bio-activity</b>  | Not validated for activity   |

### Properties

|                      |   |
|----------------------|---|
| <b>Purity</b>        | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Concentration</b> | Subject to label value.   |
| <b>Endotoxin</b>     | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>       | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  |
| <b>Shipping</b>      | 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. |
| <b>Formulation</b>   | Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.  |

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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-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

### For Research Use Only

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