

## Product datasheet for **TP305030M**

### UPRT (NM\_145052) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae) (UPRT), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205030 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATELQCPDSMPCHNQVNSASTPSPEQLRPGDLILDHAGGNRASRAKIVLLTGYAHSSLPALDMSGACG  
GSSLNSEGNSGSDSSSYDAPAGNSFLEDCELSRQIGAQLKLLPMNDQIRELQTIIRDKTASRGDFMFSA  
DRLIRLVVEEGLNQLPYKECMVTTPTGYKYEGVKFEKGNGVMSIMRSGEAMEQGLRDCCRSIRIGKILIQ  
SDEETQRAKVYYAKFPPDIYRRKVLMLYPILSTGNTVIEAVKVLIEHGVQPSVILLSLFSTPHGAKSII  
QEFPEITILTTEVHPVAPTHFGQKYFGTD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	33.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_659489</a>
Locus ID:	139596



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UniProt ID: [Q96BW1](#), [A8KAF9](#)

RefSeq Size: 2512

Cytogenetics: Xq13.3

RefSeq ORF: 927

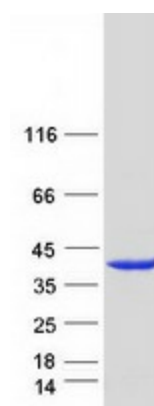
Synonyms: FUR1; UPP

**Summary:** This gene encodes uracil phosphoribosyltransferase, which 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. The enzyme localizes to the nucleus and cytoplasm. The protein is a potential target for rational design of drugs to treat parasitic infections and cancer. [provided by RefSeq, Nov 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified UPRT protein (Cat# [TP305030]). The protein was produced from HEK293T cells transfected with UPRT cDNA clone (Cat# [RC205030]) using MegaTran 2.0 (Cat# [TT210002]).