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## Product Data Sheet

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Product Name: UPRT Human  
 Cat. No.: GP22392  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Uracil phosphoribosyltransferase homolog; Uracil phosphoribosyltransferase (FUR1) homolog (S.cerevisiae); FUR1; Uracil Phosphoribosyltransferase; RP11-311P8.3; UPP; UPRT; UPRTase; UMP pyrophosphorylase; uprt.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMATELQC PDSMPCHNQQ VNSASTPSPE QLRPGDLILD HAGGNRASRA KVILLTGYAH SSLPAELDSG ACGGSSLNSE GNSGSGDSSS YDAPAGNSFL EDCELSRQIG AQLKLLPMND QIRELQTIIR DKTASRGDFM FSADRLIRLV VEEGLNQLPY KECMVTPTG YKYEGVKFEK GNCGVSIMRS GEAMEQGLRD CCRSIRIGKI LIQSDEETQR AKVYYAKFPP DIYRRKVLLM YPILSTGNTV IEAVKVLIEH GVQPSVILL SLFSTPHGAK SIIQEFPEIT ILTTEVHPVA PTHFGQKYFG TD.		
Formulation	UPRT protein solution (0.5 mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

### Introduction

UPRT is a uracil phosphoribosyltransferase, that catalyzes the alteration of uracil and 5-phosphoribosyl-1-R-diphosphate to uridine monophosphate (UMP). This reaction is a significant part of nucleotide metabolism, specifically the pyrimidine salvage pathway. UPRT is restricted to the nucleus and cytoplasm and is a possible target for rational design of drugs to cure cancer and parasitic infections.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

UPRT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 332 amino acids (1-309 a.a) and having a molecular mass of 36.2kDa. UPRT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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