

AR51133PU-N

Human Uracil phosphoribosyltransferase (UPRT) (1-309, His-tag) - Purified

Alternate names:	UMP pyrophosphorylase, UPRTase
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	UPRT is a 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.
Uniprot ID:	Q96BW1
NCBI:	NP_659489
GeneID:	139596
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Description:	Recombinant human UPRT protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMATELQC PDSMPCHNQQ VNSASTPSPE QLRPGDLILD HAGGNRASRA KVILLTGYAH SSLPAELDSG ACGGSSLNSE GNSGSGDSSS YDAPAGNSFL EDCELSRQIG AQLKLLPMND QIRELQTIIR DKTASRGDFM FSADRLIRLV VEEGLNQLPY KECMVTPTG YKYEYGVKFEK GNCVGSIMRS GEAMEQGLRD CCRSIRIGKI LIQSDEETQR AKVYYAKFPP DIYRRKVLLM YPILSTGNTV IEAVKVLIEH GVQPSVILL SLFSTPHGAK SIIQEFPEIT ILTTEVHPVA PTHFGQKYFG TD Molecular weight: 36.2 kDa (332aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	T. Selwood and E. K. Jaffe. (2011) Arch. Biochem. Biophys. 519 (2): 131–43.

Pictures:

