

Recombinant human UPRT protein

Catalog Number: ATGP2309

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-309aa

UniProt No.

Q96BW1

NCBI Accession No.

NP_659489

Alternative Names

uracil phosphoribosyltransferase homolog, uracil phosphoribosyltransferase (FuR1) homolog (S.cerevisiae), FuR1, RP11-311P8.3, uPP

PRODUCT SPECIFICATION

Molecular Weight

36.2 kDa (332aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant human uPRT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

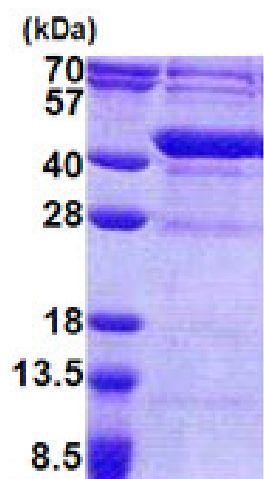
MGSSHHHHHH SGLVPRGSH MGSMATELQC PDSMPCHNQQ VNSASTPSPE QLRPGDLILD HAGGNRASRA KVILLTGYAH
SSLPALDSG ACGGSSLNSE GNSGSGDSSS YDAPAGNSFL EDCELSRQIG AQLKLLPMND QIRELQTIIR DKTASRGDFM
FSADRLIRLV VEEGLNQLPY KECMVTTPTG YKYEGVKFEK GNCGVSIMRS GEAMEQGLRD CCRSIRIGKI LIQSDEETQR
AKVYYAKFPP DIYRRKVLLM YPILSTGNTV IEAVKVLIEH GVQPSVILL SLFSTPHGAK SIIQEFPEIT ILTTEVHPVA
PTHFGQKYFG TD

General References

T. Selwood and E. K. Jaffe. (2011) Arch. Biochem. Biophys. 519 (2): 131-43.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)