NKMAXBio We support you, we believe in your research

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

chromatography techniques.

Amino acid Sequence

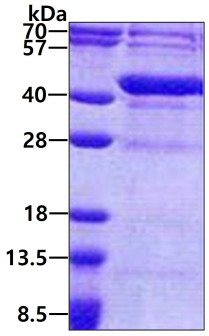
<MGSSHHHHHH SSGLVPRGSH MGS>MATELQC PDSMPCHNQQ VNSASTPSPE QLRPGDLILD HAGGNRASRA KVILLTGYAH SSLPAELDSG ACGGSSLNSE GNSGSGDSSS YDAPAGNSFL EDCELSRQIG AQLKLLPMND QIRELQTIIR DKTASRGDFM FSADRLIRLV VEEGLNQLPY KECMVTTPTG YKYEGVKFEK GNCGVSIMRS GEAMEQGLRD CCRSIRIGKI LIQSDEETQR AKVYYAKFPP DIYRRKVLLM YPILSTGNTV IEAVKVLIEH GVQPSVIILL 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.