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Datasheet for ABIN7319160 UPRT Protein (His tag)

Overview

Quantity:	50 µg
Target:	UPRT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UPRT protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human UPRT Protein (His Tag)
Sequence:	Met 1-Asp309
Characteristics:	Recombinant Human Uracil phosphoribosyltransferase homolog is produced by our E.coli expression system and the target gene encoding Met1-Asp309 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	UPRT
Alternative Name:	UPRT (UPRT Products)
Background:	Background: UPRT is a cytoplasmic enzyme which belongs to the UPRTase family. UPRT is highly expressed in leukocytes, liver, spleen and thymus, with lower expression in brain, lung

Target Details

and skeletal muscle. UPRT 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. UPRT is a potential target for rational design of drugs to treat parasitic infections and cancer

Synonym: Uracil phosphoribosyltransferase homolog, UPP, FUR1, UPRT

Molecular Weight:	35.9 kDa
UniProt:	Q96BW1
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.