Datasheet for ABIN7318415

Deoxyuridine Triphosphatase (DUT) Protein

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Overview

Quantity:	50 µg
Target:	Deoxyuridine Triphosphatase (DUT)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human dUTPase Protein
Sequence:	Met 1-Asn164
Characteristics:	Recombinant Human Deoxyuridine 5'-Triphosphate Nucleotidohydrolase,Mitochondrial is produced by our E.coli expression system and the target gene encoding Met1-Asn164 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Deoxyuridine Triphosphatase (DUT)
Alternative Name:	dUTPase (DUT Products)
Target Type:	Viral Protein
Background:	Background: Deoxyuridine 5'-Triphosphate Nucleotidohydrolase Mitochondrial (dUTPase) belongs to the dUTPase family. dUTPase exits as a homotrimer and is involved in nucleotide

Target Details

	metabolism. dUTPase produces dUMP, the immediate precursor of thymidine nucleotides and it decreases the intracellular concentration of dUTP so that uracil cannot be incorporated into DNA. The dUTPase increase in PCR product yield, length and fidelity enables further down-stream applications. These effects make dUTPase useful in PCR fidelity and yield-sensitive applications. dUTPase is specific for dUTP and is critical for the fidelity of DNA replication and repair. Synonym: Deoxyuridine 5'-Triphosphate Nucleotidohydrolase Mitochondrial, dUTPase, dUTP Pyrophosphatase, DUT
Molecular Weight:	17.7 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.