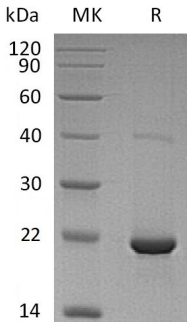
Product Name: Recombinant Human dUTPase (N-6His)
Catalog #: PEH0545

Summary

Name	dUTP Pyrophosphatase/dUTPase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Deoxyuridine 5-Triphosphate Nucleotidohydrolase, Mitochondrial is produced by our E.coli expression system and the target gene encoding Glu94-Asn252 is expressed with a 6His tag at the N-terminus.
Accession #	P33316-2
Host	E.coli
Species	Human
Predicted Molecular Mass	20 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Deoxyuridine 5-Triphosphate Nucleotidohydrolase Mitochondrial; dUTPase; dUTP Pyrophosphatase; DUT
Background	Deoxyuridine 5-Triphosphate Nucleotidohydrolase Mitochondrial (dUTPase) belongs to the dUTPase family. dUTPase exits as a homotrimer and is involved in

nucleotide 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.

Note

For Research Use Only , Not for Diagnostic Use.