

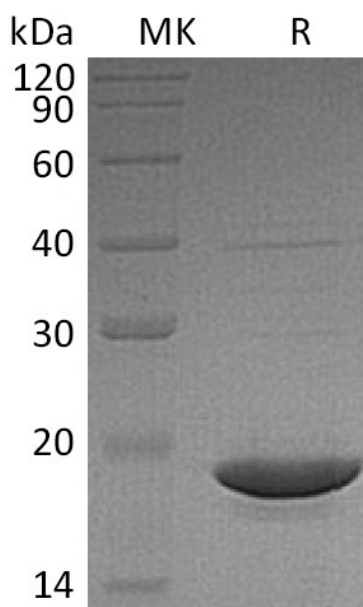
**Product Name: Recombinant Human dUTPase**  
**Catalog #: PEH0546**



## Summary

<b>Name</b>	dUTPase/DUT
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Deoxyuridine 5-Triphosphate Nucleotidohydrolase, Mitochondrial is produced by our E.coli expression system and the target gene encoding Met1-Asn164 is expressed.
<b>Accession #</b>	P33316-2
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	17.7 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



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### **Alternative Names**

Deoxyuridine 5-Triphosphate Nucleotidohydrolase Mitochondrial; dUTPase; dUTP Pyrophosphatase; DUT

### **Background**

Deoxyuridine 5-Triphosphate Nucleotidohydrolase Mitochondrial (dUTPase) belongs to the dUTPase family. dUTPase exists 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.