

**Enzymax, LLC**  
870 Corporate Drive, suite 201,  
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## Product Information

**Product Name: Human mtRNAP (native)**  
**Catalog #:** 81  
**Size:** 10 µg

**Order: info@enzymax.net**  
**Tel: 859-219-8482**  
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**Product:** human mitochondrial RNA polymerase (h-mtRNAP or POLRMT), recombinant protein without tag

**Storage:** Stable for 6 months at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

### Product Description or Background:

h-mtRNAP is a single-subunit DNA-dependent RNA polymerase that is found in human mitochondria. It is homologous to T7 RNAP. It functions to transcribe the mitochondrial genome to produce mRNAs, tRNAs and the RNA primers used for DNA replication.

**Source:** Recombinant h-mtRNAP was expressed in and purified from *E. coli*.

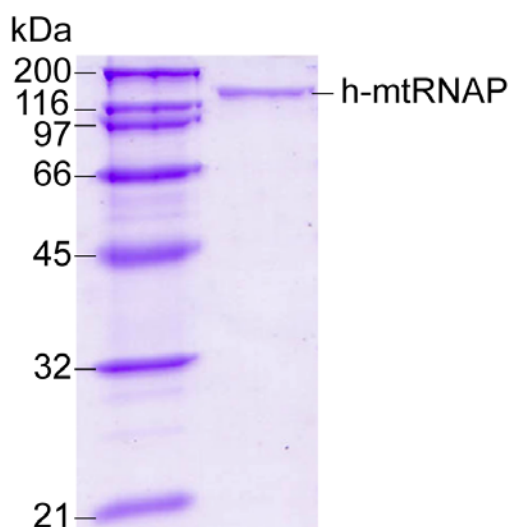
### Molecular Weight:

h-mtRNAP (134 kDa)

**Presentation:** Purified h-mtRNAP is supplied at a concentration of 0.5 mg/ml in a buffer containing 10 mM Tris-HCl (pH 8.0), 1 mM DTT, 100 mM NaCl and 20% glycerol.

**Purity:** Apparent homogeneity by SDS-PAGE and Coomassie blue staining.

### SDS-PAGE gel picture:



### Purified h-mtRNAP.

h-mtRNAP (500 ng) was analyzed by electrophoresis on a 15% SDS- polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers are indicated on the left.