

## Recombinant Human POLRMT protein

Cat. No. POLRMT-1578H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant POLRMT was expressed in and purified from E. coli.                                                                                                                                                                                      |
| Species          | Human                                                                                                                                                                                                                                               |
| Source           | E.coli                                                                                                                                                                                                                                              |
| Description      | POLRMT 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. |
| Form             | 10 mM Tris-HCl (pH 8.0), 1 mM DTT, 100 mM NaCl and 20% glycerol.                                                                                                                                                                                    |
| Molecular Mass   | 134 kDa                                                                                                                                                                                                                                             |
| Storage          | Stable for 6 months at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.                                                                                                                                 |
| Concentration    | 0.5 mg/ml                                                                                                                                                                                                                                           |

### GENE INFORMATION

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Gene Name       | POLRMT polymerase (RNA) mitochondrial (DNA directed) [ Homo sapiens ] |
| Official Symbol | POLRMT                                                                |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | POLRMT; polymerase (RNA) mitochondrial (DNA directed); DNA-directed RNA polymerase, mitochondrial; APOLMT; h mtRPOL; MTRNAP; MTRPOL; h-mtRPOL; |
| <b>Gene ID</b>        | 5442                                                                                                                                           |
| <b>mRNA Refseq</b>    | NM_005035                                                                                                                                      |
| <b>Protein Refseq</b> | NP_005026                                                                                                                                      |
| <b>MIM</b>            | 601778                                                                                                                                         |
| <b>UniProt ID</b>     | O00411                                                                                                                                         |

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