

## Recombinant Human TOP1MT, GST-tagged

Cat. No. TOP1MT-3350H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human TOP1MT protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| Species          | Human                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                            |
| ProteinLength    | 253-601aa                                                                                                                                                         |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Gene Name       | TOP1MT topoisomerase (DNA) I, mitochondrial [ Homo sapiens ] |
| Official Symbol | TOP1MT                                                       |
| Gene ID         | 116447                                                       |
| mRNA Refseq     | NM_052963.2                                                  |

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|                            |                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_443195.1                                                                                 |
| <b>MIM</b>                 | 606387                                                                                      |
| <b>UniProt ID</b>          | Q969P6                                                                                      |
| <b>Chromosome Location</b> | 8q24.3                                                                                      |
| <b>Function</b>            | ATP binding;DNA topoisomerase (ATP-hydrolyzing) activity;DNA topoisomerase type I activity; |

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