

# Recombinant Human POLM, GST-tagged

**Cat. No.** POLM-1836H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human POLM protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-330aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 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

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | POLM polymerase (DNA directed), mu [ Homo sapiens ]                                                                                                                                        |
| <b>Official Symbol</b> | POLM                                                                                                                                                                                       |
| <b>Synonyms</b>        | POLM; polymerase (DNA directed), mu; DNA-directed DNA/RNA polymerase mu; Pol iota; Tdt N; DNA polymerase mu; terminal transferase; polymerase (DNA-directed), mu; Tdt-N; Pol Mu; FLJ35482; |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 27434                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_013284                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_037416                                                                                                                                               |
| <b>MIM</b>                 | 606344                                                                                                                                                  |
| <b>UniProt ID</b>          | Q9NP87                                                                                                                                                  |
| <b>Chromosome Location</b> | 7p13                                                                                                                                                    |
| <b>Pathway</b>             | Non-homologous end-joining, organism-specific biosystem; Non-homologous end-joining, conserved biosystem;                                               |
| <b>Function</b>            | DNA binding; DNA nucleotidylexotransferase activity; DNA-directed DNA polymerase activity; catalytic activity; metal ion binding; transferase activity; |

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