

## Recombinant Human TYMS, GST-tagged

**Cat. No.** TYMS-3509H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TYMS 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>    | 1-313aa                                                                                                                                                           |
| <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>       | TYMS thymidylate synthetase [ Homo sapiens ]                                                         |
| <b>Official Symbol</b> | TYMS                                                                                                 |
| <b>Synonyms</b>        | TYMS; thymidylate synthetase; TS; thymidylate synthase; HsT422; TMS; Tsase; TSase; HST422; MGC88736; |
| <b>Gene ID</b>         | 7298                                                                                                 |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mRNA Refseq</b>         | NM_001071                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_001062                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 188350                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P04818                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 18p11.31-p11.21                                                                                                                                                                                                                                                 |
| <b>Pathway</b>             | Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; E2F mediated regulation of DNA replication, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Fluoropyrimidine Activity, o |
| <b>Function</b>            | cofactor binding; folic acid binding; methyltransferase activity; nucleotide binding; thymidylate synthase activity; thymidylate synthase activity; transferase activity;                                                                                       |

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