

## Recombinant Human TYMP protein, His-tagged

**Cat. No.** TYMP-313H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TYMP Protein is produced by human cells system. This protein is fused with a His tag at the N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Ala 11- Gln 482                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Supplied as a 0.2µm filtered solution of PBS, pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 58 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p>HHHHHHHHHHENLYFQAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRDGGRL<br/> SEADIRGFVAAVVNGSAQGAQIGAMLMAIRLRGMDLEETSVLTQALAQSGQQLEWP<br/> EAWRQQLVDKHSTGGVGDKVSLVLAPALAACGCKVPMISGRGLGHTGGTLDKLESI<br/> PGFNVIQSPEQMQLVLLDQAGCCIVGQSEQLVPADGILYAARDVTATVDSLPLITASIL<br/> SKKLVEGLSALVVDVKFGGAAVFPNQEQARELAKTLVGVGASLGLRVAAALTAMDK<br/> PLGRCVGHAEVEEALLCMDGAGPPDLRLDLVTTLGGALLWLSGHAGTQAQGAARV<br/> AAALDDGSALGRFERMLAAQGVDPGLARALCSGSPAERRQLLPRAREQEELLAPAD<br/> GTVELVRALPLALVLHELGAGRSRAGEPLRLGVGAELLVDVGQRLRRGTPWLRVHR<br/> DGPALSGPQSRAEQEALVLSRAPFAAPSPFAELVLPQQ</p> |
| <b>Endotoxin</b>        | 1.0 EU per 1µg cytokine as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                       |                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | 95 % as determined by SDS-PAGE.                                                                                                                               |
| <b>Notes</b>          | Avoid repeated freeze-thaw cycles.                                                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted into smaller quantities and be used as soon as possible. |
| <b>Reconstitution</b> | Reconstitute in 20 mM Tris, 150 mM NaCl (pH 8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                          |

## GENE INFORMATION

|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>Gene Name</b>       | TYMP thymidine phosphorylase [ Homo sapiens ] |
| <b>Official Symbol</b> | TYMP                                          |
| <b>Synonyms</b>        | ECGF1, MNGIE, PDECGF, TP, hPD-ECGF            |
| <b>Gene ID</b>         | 1890                                          |
| <b>mRNA Refseq</b>     | NM_001113755                                  |
| <b>Protein Refseq</b>  | NP_001107227                                  |
| <b>MIM</b>             | 131222                                        |
| <b>UniProt ID</b>      | P19971                                        |

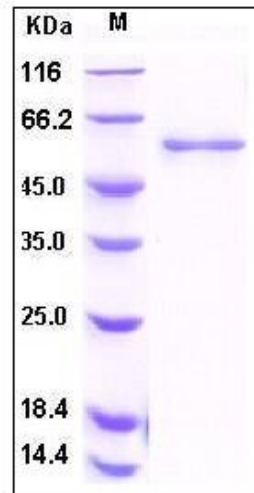
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