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## Product Datasheet

### Human Thymidylate synthase protein, His tag, Unconjugated GTX00420-PRO

|                            |   |
|----------------------------|---|
| Article Name               | Human Thymidylate synthase protein, His tag, Unconjugated   |
| Biozol Catalog Number      | GTX00420-PRO  |
| Supplier Catalog Number    | GTX00420-pro  |
| Alternative Catalog Number | GTX00420-PRO-10   |
| Manufacturer               | GeneTex   |
| Category                   | Proteine/Peptide  |
| Application                | FA  |
| Species Reactivity         | Human   |
| Conjugation                | Unconjugated  |
| NCBI                       | <a href="#">7298</a>  |
| UniProt                    | <a href="#">P04818</a>  |
| Buffer                     | Reconstitute with 20mM Tris (pH8.0) and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris (pH8.0), 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System          | E. coli   |
| Form                       | Lyophilized powder  |
| Sequence                   | N-terminal His-Tag, Gln36~Val313 (NP_001062.1)  |

Application Notes

Thymidylate synthetase (TYMS) is an enzyme that catalyzes the conversion of deoxyuridine monophosphate (dUMP) to deoxythymidine monophosphate (dTMP). The enzyme is essential for regulating the balanced supply of the 4 DNA precursors in normal DNA replica