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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