

## Thymidylate Synthetase Human Recombinant

<b>Item Number</b>	rAP-1866
<b>Synonyms</b>	TMS, EC 2.1.1.45, HST422, Thymidylate synthase, TSase, TS, TYMS, MGC88736.
<b>Description</b>	Thymidylate synthase Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 333 amino acids (1-313 a.a.) and having a molecular mass of 37.8 kDa. The Thymidylate synthase fused to a 20 amino acid His-Tag at N-Terminus and purified by proprietary
<b>Uniprot Accession Number</b>	P04818
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MPVAGSELPR RPLPPAAQER DAEPRPPHGE LQYLGQIQHI LRCGVRKDDR TGTGTLVSVFG MQARYSLRDE FPLLTTKRVF WKGVLEELLW FIKGSTNAKE LSSKGVKIWD ANSRDFLDS LGFSTREEGD LGPVYGFQWR HFGAEYRDME SDYSGQGVDQ LQRVID- TIKT NPDDRRRIIMC AAWNPRDLPLM ALPPCHALCQ FYVNSELSC QLYQRSGDMG LGVPFNIASY ALLTYMIAHI TGLKPGDFIH TLGDAHIYLN HIEPLKIQLQ REPRPFPKLR ILRKVEKIDD FKAEDFQIEG YNPHPTIKME MAV.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The Thymidylate synthase solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**