

## Product datasheet

# Recombinant Human Thymidylate Synthase protein ab95378

[1 References](#) [2 Images](#)

### Description

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<b>Product name</b>	Recombinant Human Thymidylate Synthase protein
<b>Purity</b>	> 95 % SDS-PAGE. purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	MGSSHHHHHH SSSLVPRGSH MPVAGSELPR RPLPPAAQER DAEPRPPHGE LQYLQIQHI LRCGVRKDDR TGTGTLVFG MQARYSLRDE FLLTKRVF WKGVLEELLW FIGSTNAKE LSSKGVKIWD ANGSRDFLDS LGFSTREEGD LGPVYGFQWR HFGAEYRDME SDYSGQGVDQ LQRVIDTIKT NPDDRIIMC AWNPRDLPLM ALPPCHALCQ FYVNSELSC QLYQRSGDMG LGVPFNASY ALLTYMAHI TGLKPGDFIH TLGDAHMLN HIEPLKIQLQ REPRFPKLR ILRKVEKIDD FKAEDFQIEG YNPHTIKME MAV
<b>Amino acids</b>	1 to 313
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	MW: 37.8 kDa (including tag), confirmed by MALDI-TOF.

### Specifications

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Our **Abpromise guarantee** covers the use of **ab95378** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Western blot
<b>Form</b>	Liquid

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0154% DTT, 0.315% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.5844% Sodium chloride

## General Info

### Function

Contributes to the de novo mitochondrial thymidylate biosynthesis pathway.

### Pathway

Pyrimidine metabolism; dTTP biosynthesis.

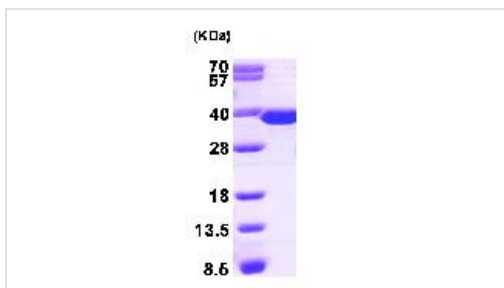
### Sequence similarities

Belongs to the thymidylate synthase family.

### Cellular localization

Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane.

## Images



SDS-PAGE image generated using 3ug ab95378

SDS-PAGE - Recombinant Human Thymidylate Synthase protein (ab95378)



Western blot - Recombinant Human Thymidylate Synthase protein (ab95378)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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