

Thymidylate Synthetase Recombinant Protein | TYMS recombinant protein

Recombinant Thymidylate Synthetase (TYMS)

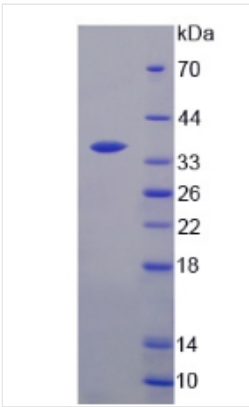
CATALOG # AAA144089	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	---	---

PRODUCT SYNONYMS

Thymidylate Synthetase; Recombinant Thymidylate Synthetase (TYMS); TYMS recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>90%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. QIQHILRC GVRKDDRTGT GTLSVFGMQA RYSLRDEFPL LTTKRVFWKG VLEELLWFIK GSTNAKELSS KGVKIWDANG SRDFLDLGF STREEDLGP VYGFQWRHFG AEYRDMESDY SGQGVDDLQR VIDTIKTNP DRRIIMCAWN PRDLPLMALP PCHALCQFYV VNSELSCQLY QRSGDMGLGV PFNIASYALL TYMIAHITGL KPGDFIHTLG DAHIYLNHIE PLKIQLQREP RPFPKLRILR KVEKIDDFKA EDFQIEGYNP HPTIKMEMAV
Sequence Length	314
Applicable Applications for TYMS recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	35.6kDa
Accurate Molecular Mass (KD)	36kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and S-tag
Organism Species	Homo sapiens (Human)
Fragment	Gln36~Val313
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

```

                                QIQHI LRCGVRKDDR
TGTGTLNVFG MQARYSLRDE FPLLTTRVF WKGVLLELLW FIGGSTNAKE
LSSKGVKIWD ANGSRDFLDS LGFSTREEGD LGPVYGFQWR HFGAEYRDM
SDYSGGQVDQ LQRVIDTIKT NPDDRRIIMC AMNPRDLPLH ALPPCHALCQ
FYVNVSELSQ QLYQRSGDMG LGVPFNIAFY ALLTYMIAHI TGLKPGDFIH
TLGDAHIYLN HIEPLKIQLQ REPRFPFKLR ILRKVEKIDQ FKAEDFQIEG
YNPHPTIKME MAV
```

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	343790902
NCBI GeneID	100627209
NCBI Accession #	NP_001230508.1
NCBI GenBank Nucleotide #	NM_001243579.1
NCBI Official Full Name	thymidylate synthetase
NCBI Official Symbol	TYMS
NCBI Protein Information	thymidylate synthetase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.