

Recombinant Mouse Tyms Protein, Myc/DDK-tagged

Cat. No. Tyms-6756M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length thymidylate synthase (cDNA clone MGC:28246 IMAGE:3994204), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an enzyme that catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate as a cofactor. This function maintains the thymidine-5-prime monophosphate concentration critical for DNA replication and repair. The encoded enzyme is a target for cancer chemotherapeutic agents. The majority of transcripts for this gene lack a 3' UTR. The stop codon in these transcripts is UAA, compared to the UAG found in the genome and longer transcripts, as the polyA site is located within the stop codon. A related pseudogene has been identified on chromosome 10.
Molecular Mass	34.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	>50 µg/mL as determined by microplate BCA method
----------------------	--

Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
-----------------------	---

GENE INFORMATION

Gene Name	Tyms thymidylate synthase [Mus musculus (house mouse)]
------------------	--

Official Symbol	Tyms
------------------------	------

Synonyms	Tyms; thymidylate synthase; T; Ts; thymidylate synthase; Tsase; EC 2.1.1.45
-----------------	---

Gene ID	22171
----------------	-------

mRNA Refseq	NM_021288
--------------------	-----------

Protein Refseq	NP_067263
-----------------------	-----------

UniProt ID	P07607
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA