

Recombinant Human MTHFS Protein, Myc/DDK-tagged

Cat. No. MTHFS-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) (MTHFS) with C-terminal Myc/DDK tag, expressed in HEK293T.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an enzyme that catalyzes the conversion of 5-formyltetrahydrofolate to 5,10-methenyltetrahydrofolate, a precursor of reduced folates involved in 1-carbon metabolism. An increased activity of the encoded protein can result in an increased folate turnover rate and folate depletion. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Mass	23.1 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name MTHFS methenyltetrahydrofolate synthetase [Homo sapiens (human)]

Official Symbol MTHFS

Synonyms MTHFS; methenyltetrahydrofolate synthetase; NEDMEHM; HsT19268; 5-formyltetrahydrofolate cyclo-ligase; 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase); methenyl-THF synthetase; EC 6.3.3.2

Gene ID 10588

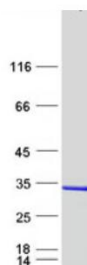
mRNA Refseq NM_006441

Protein Refseq NP_006432

MIM 604197

UniProt ID P49914

SDS-PAGE



Coomassie blue staining of purified MTHFS protein. The protein was produced from

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HEK293T cells transfected with MTHFS cDNA clone using MegaTran 2.0.

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