

Recombinant Human MTHFS Protein, GST-tagged

Cat. No. MTHFS-5706H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTHFS partial ORF (NP_006432, 104 a.a. - 203 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jun 2011]
Molecular Mass	36.74 kDa
AA Sequence	LPKTSWNIPQPGEGDVREEALSTGGDLIFMPGLGFDKHGNRLGRGKGYDAYLKR CLQHQEVPKPYTLALAFKEQICLQVPVNENDMKVDEVLYEDSSTA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name MTHFS 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) [Homo sapiens]

Official Symbol MTHFS

Synonyms MTHFS; 5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase); 5-formyltetrahydrofolate cyclo-ligase; HsT19268; methenyl-THF synthetase; FLJ30410;

Gene ID 10588

mRNA Refseq NM_001199758

Protein Refseq NP_001186687

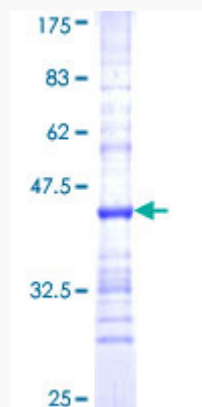
MIM 604197

UniProt ID P49914

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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