

[Go to Product page](#)

## Datasheet for ABIN7318120 MTHFS Protein (His tag)

### Overview

Quantity:	50 µg
Target:	MTHFS
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTHFS protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human MTHFS Protein (His Tag)
Sequence:	Met 1-Ala203
Characteristics:	Recombinant Human 5-formyltetrahydrofolate cyclo-ligase is produced by our E.coli expression system and the target gene encoding Met1-Ala203 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	MTHFS
Alternative Name:	MTHFS ( <a href="#">MTHFS Products</a> )
Background:	Background: 5-formyltetrahydrofolate cyclo-ligase (MTHFS) belongs to the 5-formyltetrahydrofolate cyclo-ligase family. It is an enzyme that catalyzes the conversion of 5-

## Target Details

formyltetrahydrofolate to 5,10-methenyltetrahydrofolate, contributes to tetrahydrofolate metabolism. MTHFS helps regulate carbon flow through the folate-dependent one-carbon metabolic network that supplies carbon for the biosynthesis of purines, thymidine and amino acids. An increased activity of the encoded protein can result in an increased folate turnover rate and folate depletion.

Synonym: 5-formyltetrahydrofolate cyclo-ligase,5,10-methenyl-tetrahydrofolate synthetase,MTHFS,Methenyl-THF synthetase

Molecular Weight: 24.3 kDa

UniProt: [P49914](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris,200 mM NaCl,1 mM DTT,50 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.