Product Name: Recombinant Human MTHFS (C-6His)
Catalog #: PEH1180

Summary

Name	MTHFS/5-formyltetrahydrofolate cyclo-ligase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P49914
Host	E.coli
Species	Human
Predicted Molecular Mass	24.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM Nacl, 1mM DTT, 50% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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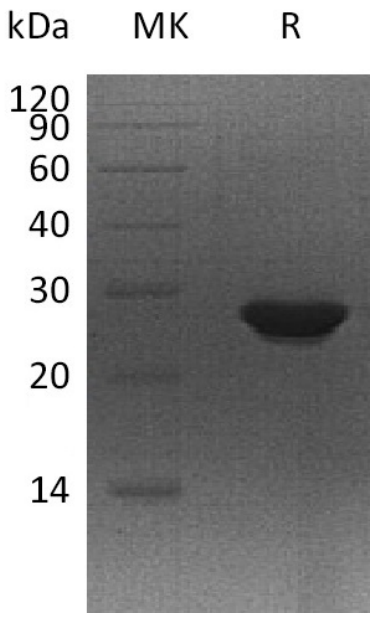

Alternative Names

5-formyltetrahydrofolate cyclo-ligase;5;10-methenyl-tetrahydrofolate synthetase;MTHFS;Methenyl-THF synthetase

Background

5-formyltetrahydrofolate cyclo-ligase (MTHFS) belongs to the 5-formyltetrahydrofolate cyclo-ligase family. It is an enzyme that catalyzes the conversion of 5-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.

Note

For Research Use Only , Not for Diagnostic Use.