

Recombinant Human 5-Formyltetrahydrofolate Cyclo-Ligase/MTHFS Protein(C-6His)

Cat.NO.: TP05848

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:24.3 kDa

Sequences:Met 1-Ala203

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.