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32-8349: Recombinant Human 5-Formyltetrahydrofolate Cyclo-Ligase/MTHFS (C-6His)

Gene : MTHFS
Gene ID : 10588
Uniprot ID : P49914

Description

Source: E. coli.
MW :24.3kD.
Recombinant Human Methenyl-THF synthetase 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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris,200mM Nacl,1mM DTT,50% Glycerol,pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MAAAAVSSAKRSLRGELKQRLRAMSAEERLRQSRVLSQKVIAHSEYQKSKRISIFLSMQDEIETEEII KDIFQRGKICFIPRYRFQSNHMDMVRIESPEEISLLPKTSWNIPQPGEGDVREEALSTGGLDLIFMP GLGFDKHGNRLGRGKGYYDAYLKRCLQHQEVKPYTLALAFKEQICLQVPVNENDMKVDEVLYEDS STALEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.