



5,10-Methenyltetrahydrofolate Synthetase Human Recombinant

Item Number	rAP-1854
Synonyms	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase), HsT19268, Methenyl-THF synthetase, FLJ30410, EC 6.3.3.2.
Description	MTHFS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 223 amino acids (1-203a.a.) and having a molecular mass of 25.4 kDa. MTHFS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P49914
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MAAAAVSSAK RSLRGELKQR LRAMSAEERL RQSRVLSQKV IAH-SEYQKSK RISIFLSMQD EIETEEIHKD IFQRGKICFI PRYRFQSNHM DMVRIESPEE ISLLPKTSWN IPQPGEGDVR EEALSTGGLD LIFMPGLGFD KHGNRLGRGK GYDAYLKRC LQHQEVKPYT LALAF-KEQIC LQVPVNENDM KVDEVLYEDS STA
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MTHFS protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 5mM DTT and 30% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**