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MTHFD2, 30-350aa, Human, His tag, E.coli

产品货号: TP03042

第三版

**别名:**Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial.

**描述:**MTHFD2 also known as Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial. MTHFD2 protein that possesses three distinct enzymatic activities, methylenetetrahydrofolate dehydrogenase, methenyltetrahydrofolate cyclohydrolase and formate – tetrahydrofolate ligase. Each of these activities catalyzes one of three sequential reactions in the interconversion of 1-carbon derivatives of tetrahydrofolate, which are substrates for methionine, thymidylate, and de novo purine syntheses. Recombinant human MTHFD2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.

**分子量:**37.2 kDa (344aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSLAAVRNEAVVISGRKLAQQIKQEVQRQEEVWVASGNKRPHLSVILVGENPASHSY  
VLNKTRAAAVVGINSETIMKPASISEEELLNLINKLNDDNDVGLLVQLPLPEHIDERRICNAVSPDKDVGDFHVINVGRM  
CLDQYSMLPATPWGVWEIIRKRTGIPTLGKNVVVAGRSKNVGMPIAMLLHTDGAHERPGGDATVTISHRYTPKEQLKKHT  
ILADIVISAAGIPNLITADMIKEGAAVIDVGINRVHDPVTAKPKLVGDVDFEGVRQKAGYITVPPGGVGPMTVAMLMKNT  
IIAAKKVLRLEEREVLKSKELGVATN

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.