

MTHFD2 Human Recombinant

Item Number	rAP-1049
Synonyms	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial, NAD-dependent methylenetetrahydrofolate dehydrogenase, Methenyltetrahydrofolate cyclohydrolase, NMDMC, MTHFD2.
Description	MTHFD2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 344 amino acids (30-350) and having a molecular mass of 37.2kDa.MTHFD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P13995
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSLAAVRNE AVVISGRKLA QQIKQEVQRQ VEEWVASGNK RPHLSVILVG ENPASHSYVL NKTRAAAVVG INSETIMKPA SISEEELLNL INKLNDDNV DGLLVQLPLP EHIDERRICN AVSPDKDVDG FHVINVGRMC LDQYSMLPAT PWGVWEIKR TGIPTLGKNV VVA- GRSKNVG MPIAMLLHTD GAHERPGGDA TVTISHRYTP KEQLKKHTIL ADVISAAGI PNLITADMIK EGAAVIDVGI NRVHDPVTAK PKLVGDVDFE GVRQKAGYIT PVPGGVGPMT VAMLMKNTII AAKKVLRLEE REVLKSKELG VATN.
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 MTHFD2 solution (1mg/ml) contains Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT. Greater than 95.0% 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**