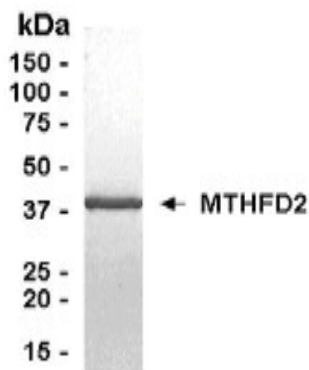


## MTHFD2

### Recombinant Human MTHFD2

<b>Catalog No.</b>	CRM117	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial		
<b>Description:</b>	This is a nuclear-encoded mitochondrial bifunctional enzyme with methylenetetrahydrofolate dehydrogenase and methenyltetrahydrofolate cyclohydrolase activities. The enzyme functions as a homodimer and is unique in its absolute requirement for magnesium and inorganic phosphate. Formation of the enzyme-magnesium complex allows binding of NAD. Alternative splicing results in two different transcripts, one protein-coding and the other not protein-coding. This gene has a pseudogene on chromosome 7.		
<b>UniProt ID:</b>	P13995		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	39.56 kDa (aa 1-344)		
<b>Formulation:</b>	10 mM Tris, pH 8.0 containing 0.1% Triton X-100 and 0.002% NaN <sub>3</sub>		
<b>Purity:</b>	95% by SDS-PAGE		
<b>Applications:</b>	Western blot, ELISA, Mass Spectrometry		
<b>Storage &amp; Stability:</b>	Store as supplied at -20°C to -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

4-20% gradient SDS-PAGE with Coomassie blue staining.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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