

# Recombinant Full Length Human MTHFD2L Protein, C-Flag-tagged

**Cat. No.** MTHFD2L-1160HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human MTHFD2L Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Predicted to enable methenyltetrahydrofolate cyclohydrolase activity; methylenetetrahydrofolate dehydrogenase (NAD <sup>+</sup> ) activity; and methylenetetrahydrofolate dehydrogenase (NADP <sup>+</sup> ) activity. Predicted to be involved in tetrahydrofolate interconversion. Predicted to be located in mitochondrial matrix. Predicted to be active in mitochondrion.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	37.1 kDa
<b>AA Sequence</b>	<p>MTVPVIRGFSLRGRGRAPALGRSTAPSVRAPGEPGSAFRGFRSSGVRHEAIIISGT            EMAKHQKEIQRG VESWVSLGNRRPHLSIILVGDNPASHTYVRNKIRAASAVGICSEL            ILKPKDVSQEELLDVTDQLNMDPRV SGILVQLPLPDHVDERTICNGIAPEKDVDFGHII            NIGRLCLDQHSLIPATASAVWEIIRKRTGIQTFGKNV VVAGRSKNVGMPIAMLLHTDGE            HERPGGDATVTIAHRYTPKEQLKIHTQLADIIIVAAGIPKLITSDMVK EGAAVIDVGINY            VHDPVTGKTKLVGDVDFEAVKKKAGFITPVPGGVGPMTVAMLLKNTLLAAKKIYTRT            RPLEQKLISEEDLAANDILDYKDDDDKV</p>

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	MTHFD2L methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2 like [ Homo sapiens (human) ]
<b>Official Symbol</b>	MTHFD2L
<b>Synonyms</b>	FLJ13105; MGC45532; MGC72244
<b>Gene ID</b>	441024
<b>mRNA Refseq</b>	NM_001144978.3
<b>Protein Refseq</b>	NP_001138450.1
<b>MIM</b>	614047

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