

Recombinant Human MTHFD2 protein, T7-tagged

Cat. No. MTHFD2-136H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MTHFD2 (30 – 350aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	30-350 a.a.
Form	0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFGSRAPGEPGSAFRGFRSSGVRHEAIIISGTEMAKHIQKEIQ RGVESWVSLGNRRPHLSII LVGDNPASHTYVRNKIRAASAVGICSELILPKDVSQEE LLDVTDQLNMDPRVSGILVQLPLPDHVDERTICNGI APEKDVDGFFHIIINIGRLCLDQH SLIPATASAVWEIIKRTGIQTFGKNVVVAGRSKNVGMPIAMLLHTDGEHERPG GDAT VTIAHRYTPKEQLKIHTQLADIIIIVAAGIPKLITSDMVKEGAAVIDVGINYPVHDPVTGKTK LVGDVDFEAV KKKAGFITPVPGGVGPMTVAMLLKNTLLAAKKIY
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

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Gene Name	MTHFD2 methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Homo sapiens]
Official Symbol	MTHFD2
Synonyms	MTHFD2; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase; bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial; NAD-dependent methylene tetrahydrofolate dehydrogenase cyclohydrolase; NMDMC;
Gene ID	10797
mRNA Refseq	NM_006636
Protein Refseq	NP_006627
MIM	604887
UniProt ID	P13995
Chromosome Location	2p13.1
Pathway	C1-unit interconversion, eukaryotes, organism-specific biosystem; C1-unit interconversion, eukaryotes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem; One Carbon Metabolism, organism-specific biosystem; One carbon pool by folate, organism-specific biosystem; One carbon pool by folate, conserved biosystem;
Function	hydrolase activity; magnesium ion binding; methenyltetrahydrofolate cyclohydrolase activity; methylenetetrahydrofolate dehydrogenase (NAD+) activity;

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