

Recombinant Full Length Human MTHFD1L Protein, GST-tagged

Cat. No. MTHFD1L-6528HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTHFD1L full-length ORF (AAH08629.1, 1 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	366 amino acids
Description	One-carbon substituted forms of tetrahydrofolate (THF) are involved in the de novo synthesis of purines and thymidylate and support cellular methylation reactions through the regeneration of methionine from homocysteine. MTHFD1L is an enzyme involved in THF synthesis in mitochondria (Christensen et al., 2005 [PubMed 15611115]).[supplied by OMIM
Molecular Mass	65.6 kDa
AA Sequence	MAVLALTDSLADMKARLGRMVVASDKSGQPVTADDLGVTGALTVLMKDAIKPNLMQ TLEGTPVFVHAGPFANIAHGNSSVLADKIALKLVGEEGFVVTGAGFGADIGMEKFFNI KCRASGLVPNVVVLVATVRALKMHGGGPSVTAGVPLKKEYTEENIQLVADGCCNLQ KQIQITQLFGVPVVVALNVFKTDTRAIEDLVCELAKRAGAFDAVPCYHWSVGGKGSV DLARAVREAASKRSRFQFLYDVQVPIVDKIRTIAQAVYGAKDIELSPEAQAKIDRYTQ QGFGNLPICMAKTHLSLSHQPDKKGVPRDFILPISDVRASIGAGFIYPLVGTMTSTMPG LPTRPCFYDIDLDTETEQQVKGLF

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MTHFD1L methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like [Homo sapiens]
Official Symbol	MTHFD1L
Synonyms	MTHFD1L; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like; formyltetrahydrofolate synthetase domain containing 1 , FTHFSDC1; monofunctional C1-tetrahydrofolate synthase, mitochondrial; 10 formyl THF synthetase; DKFZP586G1517; FLJ21145; mitochondrial C1 tetrahydrofolate synthase; monofunctional C1 tetrahydrofolate synthase; mitochondrial; 10-formyl-THF synthetase; formyltetrahydrofolate synthetase domain containing 1; FTHFSDC1; MTC1THFS; dJ292B18.2; RP1-292B18.2; DKFZp586G1517;
Gene ID	25902
mRNA Refseq	NM_001242767
Protein Refseq	NP_001229696

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MIM	611427
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UniProt ID	Q6UB35
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