

Product datasheet for **AR09916PU-L**

MTHFS (1-203, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MTHFS (1-203, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAAAVSSAK RSLRGELKQR LRAMSAEERL RQSRVLSQKV IAHSEYQKSK RISIFLSMQD EIETEEIKD IFQRGKICFI PRYRFQSNHM DMVRIESPEE ISLLPKTSWN IPQPGEGDVR EEALSTGGLD LIFMPGLGFD KHGNRLGRGK GYYDAYLKRC LQHQEVKPYT LALAFKEQIC LQVPVNENDM KVDEVLYEDS STA
Tag:	His-tag
Predicted MW:	25.4 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 30% glycerol, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MTHFS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001186687</u>
Locus ID:	10588
UniProt ID:	<u>P49914</u>
Cytogenetics:	15q25.1
Synonyms:	HsT19268; NEDMEHM



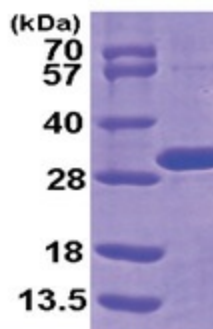
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Summary:

The protein encoded by this gene is an enzyme that catalyzes the conversion of 5-formyltetrahydrofolate to 5,10-methenyltetrahydrofolate, a precursor of reduced folates involved in 1-carbon metabolism. An increased activity of the encoded protein can result in an increased folate turnover rate and folate depletion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

Protein Pathways:

Metabolic pathways, One carbon pool by folate

Product images:

15% SDS-PAGE (3ug)