

Product datasheet for **AR51792PU-S**

MTHFD2 (30-350, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MTHFD2 (30-350, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLAAVRNE AVVISGRKLA QQIKQEVQRQE VEEWVASGNK RPHLSVILVG ENPASHSYVL NKTRAAAVVG INSETIMKPA SISEEELLNL INKLNDDNV DGLLVQLPLP EHIDERRICN AVSPDKVDVG FHVINVGRMC LDQYSMLPAT PWGVWEIKR TGIPTLGKNV VVAGRSKNVG MPIAMLLHTD GAHERPGGDA TVTISHRYTP KEQLKKHTIL ADIVISAAGI PNLITADMIK EGAVIDVGI NRVHDPVTAK PKLVGDVDFE GVRQKAGYIT PVPGGVGPMT VAMLMKNTII AAKKVLRL EE REVLKSKELG VATN
Tag:	His-tag
Predicted MW:	37.2 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MTHFD2, 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_006627
Locus ID:	10797
UniProt ID:	P13995
Cytogenetics:	2p13.1



[View online »](#)

Synonyms: NMDMC

Summary: This gene encodes 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. [provided by RefSeq, Mar 2009]

Protein Families: Druggable Genome

Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways, One carbon pool by folate

Product images:

