

**MTHFR Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP19824C****Specification**

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**MTHFR Blocking Peptide (Center) - Product Information**

Primary Accession [P42898](#)  
Other Accession [Q9WU20](#), [Q60HE5](#), [Q5I598](#), [NP\\_005948.3](#)

**MTHFR Blocking Peptide (Center) - Additional Information**

**Gene ID** 4524

**Other Names**

Methylenetetrahydrofolate reductase, MTHFR

**Target/Specificity**

The synthetic peptide sequence is selected from aa 281-292 of HUMAN MTHFR

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MTHFR Blocking Peptide (Center) - Protein Information**

**Name** MTHFR ([HGNC:7436](#))

**Function**

Catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a cosubstrate for homocysteine remethylation to methionine (PubMed:<a href="http://www.uniprot.org/citations/29891918" target="\_blank">29891918</a>). Represents a key regulatory connection between the folate and methionine cycles (Probable).

**MTHFR Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**MTHFR Blocking Peptide (Center) - Images**

**MTHFR Blocking Peptide (Center) - Background**

The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.

**MTHFR Blocking Peptide (Center) - References**

Singh, K., et al. J Postgrad Med 56(4):267-269(2010)  
Harisha, P.N., et al. J Neurosurg Pediatr 6(4):364-367(2010)  
Wu, H.C., et al. Anticancer Res. 30(9):3573-3577(2010)  
Magnowski, P., et al. Ginekol. Pol. 81(7):506-510(2010)  
Kristensen, M.H., et al. J. Int. Med. Res. 38(3):870-883(2010)