

Human MTHFR\MTRR Gene Polymorphism Detection Kit

(PCR Melting Curve Method)

Methylenetetrahydrofolate reductase (MTHFR) is a key enzyme in the methionine-folate metabolism system, and maintains the normal metabolism of folic acid with methionine synthase reductase(M-TRR). In addition, it is also involved in maintaining normal homocysteine levels in the body.


People with abnormal MTHFR gene have low enzyme activity and folic acid metabolism disorders, which lead to a significantly increased risk of neonatal neural tube defects, down syndrome, and cleft lip and palate. And such people need more folic acid supplements to achieve the desired effect.

This kit is a supplementary reagent for the "Human MTHFR Gene Polymorphism Detection Kit", which can qualitatively detect the polymorphism of human MTHFR gene locus c.1298 and human MTRR gene locus c.66.


Technique	PCR-Melting Curve Method	
Coverage	MTHFR (1298A>C)	✓
	MTRR (66A>G)	✓



Indication of birth defects





Risk warning of cardiovascular and cerebrovascular diseases





Personalized folate supplements


FEATURES


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Reliable Detection
Reliable detection of MTHFR (1298A>C) and MTRR (66A>G) , being a supplement for MTHFR (C677T) detection kit
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High Sensitivity
Sensitive to detect as low as 2ng/μL human genomic DNA
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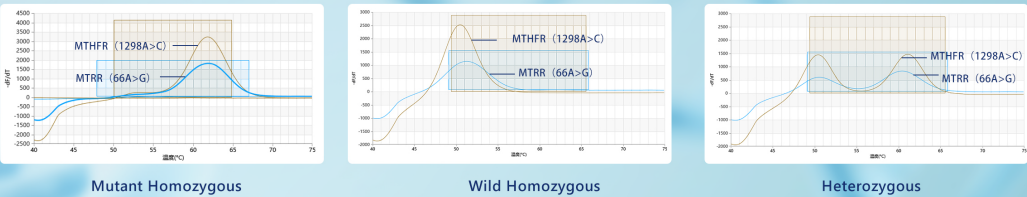
Internal Control
The use of internal control system in the kit can effectively prevent false negative results
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High Precision
The Tm value range was ≤1.5℃
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User-friendly
Validated on melting curve analysis systems with FAM and ROX fluorescence channels
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More Accessible
CE marked, accessible for more countries

GENE POLYMORPHISM



ORDERING INFORMATION

Product Name	Human MTHFR\MTRR Gene Polymorphism Detection Kit (PCR Melting Curve Method)	
Cat.No	P164H	P165H
Specification	24T/Kit	48T/Kit
Specimen	EDTA anticoagulated whole blood	
Target Gene	MTHFR (1298A>C) and MTRR (66A>G)	
Storage & Validity	-25℃~-15℃ for 12 months	
Applicable Equipment	Instruments with FAM and ROX fluorescence channels	

ASSAY WORKFLOW



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