

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(MTRR). 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.

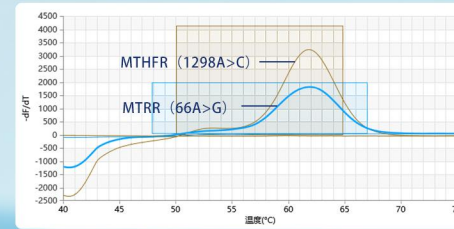
Technique	PCR-Melting Curve Method	
Coverage	MTHFR (1298A>C)	✓
	MTRR (66A>G)	✓

-  Indication of birth defects
-  Risk warning of cardiovascular and cerebrovascular diseases
-  Personalized folate supplements

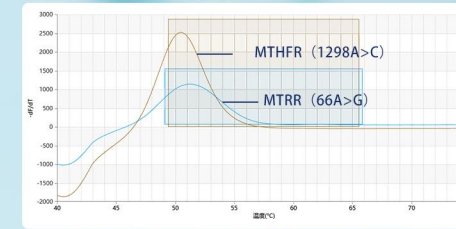
FEATURES

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

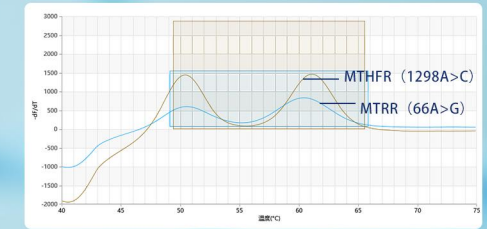
GENE POLYMORPHISM



Mutant Homozygous



Wild Homozygous



Heterozygous

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°C~-15°C for 6 months	
Applicable Equipment	Instruments with FAM and ROX fluorescence channels	

ASSAY WORKFLOW



Version 2.0

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