



Ver.24091

## 2X HRM Master Mix

Cat.No.OHRM-M

**Description**: High Resolution Melting (HRM) analysis is a post-PCR analysis method used to identify genetic variation in nucleic acid sequences. HRM Master Mix (2X) provides optimized system for accurate and easy real-time PCR using an intercalating reagent. Mixed h-*Taq* DNA polymerase enables high specific DNA amplification due to its capability of Hot Start and multiplex PCR amplification.

## **Product contents**

1) 2X HRM Master Mix

## **Storage**

• Store the product at -20°C in the dark immediately after receipt.

## **Applications**

- Low background fluorescence.
- High brightness in the presence of double-stranded DNA.
- Minimal temperature shift of DNA melting due to dye binding.
- Thermal stability to tolerate PCR cycling conditions.
- No inhibition of polymerase activity, resulting in high PCR efficiency.

Recommended PCR mixture and cycling condition

PCR mixture (Reaction vol. 20μL)		Cycle		
2X HRM Master Mix	10μL	95°C	15 min	×1
Forward primer (10pmol/µL)	1μL	95°C	20 sec	١
Reverse primer (10pmol/μL)	1μL	AT	1 min	\\ \times 40-50
Template DNA (<300ng)	-μL	72°C	1 min/kb	ال
Add D.W to	20μL			

• You may modify the amount of template, extension time, annealing temperature, and the number of PCR cycles according to the target size, primer's Tm, and the type of templates for amplification.