

# ClearPeak qPCR Primer Pairs

250 rxn

**Cat No:** qPP250

**Assay ID:** Gene specific ID

**Shipping** : Ship at room temperature.

**Storage** : Store at -20°C. *ClearPeak* qPCR Primer Pairs can be stably stored for 12 months at -20°C after dissolving the lyophilized primers. Avoid freeze and thaw cycles.

**Components:** 1 vial of lyophilized *ClearPeak* qPCR Primer Pair (sufficient for 250 reactions)

## Preparation of *ClearPeak* qPCR Primer Pair

Dissolve the lyophilized primer pair mix using 200 µl molecular grade double distilled water.

## General Information

*ClearPeak* qPCR Primer Pair contains a primer pair designed for real-time PCR using intercalating dyes, such as *ClearPeak* 2x SYBR Master Mix. *ClearPeak* qPCR Primer Pairs are pre-designed and pre-validated prior to delivery to users.

## Related Products

*ClearPeak* 2x SYBR Master Mix (SMM1, SMM5)

*EcoScript* 5x First Strand cDNA Synthesis Kit (ERT50, ERT100, ERT200)

## SYBR PCR Setup

Component	Amount
<i>ClearPeak</i> 2x SYBR Master Mix	10 µl
<i>ClearPeak</i> qPCR Primer Pairs	1 µM
Template cDNA	2-5 µl
ddH <sub>2</sub> O	up to 20 µl
Total	20 µl

## PCR Reaction Condition

### Two Step

Temperature	Time	Cycles
95°C	5-30 sec	
95°C	3-10 sec	40
60°C	10-30 sec	

### Three Step

Temperature	Time	Cycles
95°C	5-30 sec	
95°C	3-10 sec	40
60°C	10-30 sec	
72°C	10-30 sec	