

AccuTarget™ Validated Real-Time PCR Primer

Description : http://sirna.bioneer.co.kr/primer_libraries.jsp

Contents :

Lyophilized 1.5 mL Tube

http://sirna.bioneer.co.kr/primer_libraries.jsp

Preparation of PCR primers :

Dissolved with **250ul/100rxns(500ul/200rxns)** of Distilled Water or 0.1x TE(1mM Tris, 0.1mM EDTA)

Storage :

The primer pair resuspended in Distilled Water or 0.1x TE buffer is stable for up to one year at <-20°C in a non-frost free freezer. Aliquot in single use portions. Avoid repeated freeze-thaw cycles.

General Precautions :

Wear gloves during experiments to prevent contaminations. Add templates to the reaction mixture in clean bench or a spatially separated facility.

Protocol :

1. Add following PCR reagents into AccuPower® Greenstar PCR PreMix tube(per reaction)

| Component | 20 ul rxn | 50 ul rxn |
|--------------------|-----------------|-----------------|
| cDNA | 100 ng ~ 10 ng | |
| Forward Primer(ul) | 1 ul | 2.5 ul |
| Reverse Primer(ul) | 1 ul | 2.5 ul |
| Distilled Water | Adjust to 20 ul | Adjust to 50 ul |

2. Seal the Optocal adhesive film for real-time PCR on tube or plate.
3. Completely mix by vigorous vortexing for resuspension of PreMix Pellets.
4. Centrifuge at 3,000 rpm, for 2 min
5. Start Real-time PCR instrument and load it.
6. Program the PCR setting

| Step | Condition | Cycle |
|-----------------------|---------------|-------|
| Pre-Denaturation | 94 °C, 5 min | 1 |
| Denaturation | 95 °C, 10 sec | 40 |
| Annealing | 58 °C, 25 sec | |
| Extension | 72 °C, 30 sec | |
| Detection(Scan) | | |
| Melting Analysis Step | | 1 |

7. Perform Data analysis.

☞ This recommended protocol can be modified to get the optimal results, based on used real-time PCR instrument and target DNA sequences.

Results: http://sirna.bioneer.co.kr/primer_libraries.jsp

Ordering Information & Related Products :

Cat # Description

Validated Real-time PCR Primer(Individual)

PHS-01 AccuTarget™ Human Real-Time PCR Primer Set (100rxns)

PHS-02 AccuTarget™ Human Real-Time PCR Primer Set (200rxns)

Validated Real-time PCR Primer Set

PHS-00F050 AccuTarget™ Human Real-Time PCR Primer Set(Genome Library)

PHS-001050 AccuTarget™ Human Antioxidant Real-Time PCR Primer Set

PHS-002050 AccuTarget™ Human Apoptosis Real-Time PCR Primer Set

PHS-003050 AccuTarget™ Human Cancer Real-Time PCR Primer Set

PHS-004050 AccuTarget™ Human Caspase Real-Time PCR Primer Set

PHS-005050 AccuTarget™ Human Cell cycle Real-Time PCR Primer Set

PHS-006050 AccuTarget™ Human Cyclase Real-Time PCR Primer Set

PHS-007050 AccuTarget™ Human Cytochrome Real-Time PCR Primer Set

PHS-008050 AccuTarget™ Human Deaminase Real-Time PCR Primer Set

PHS-009050 AccuTarget™ Human GPCR Real-Time PCR Primer Set

PHS-010050 AccuTarget™ Human Helicase Real-Time PCR Primer Set

PHS-011050 AccuTarget™ Human Isomerase Real-Time PCR Primer Set

PHS-012050 AccuTarget™ Human Kinase Real-Time PCR Primer Set

PHS-013050 AccuTarget™ Human Ligase Real-Time PCR Primer Set

PHS-014050 AccuTarget™ Human Lyase Real-Time PCR Primer Set

PHS-015050 AccuTarget™ Human Motor Real-Time PCR Primer Set

PHS-016050 AccuTarget™ Human NF-κ B Real-Time PCR Primer Set

PHS-017050 AccuTarget™ Human Nucleic acid binding Real-Time PCR Primer Set

PHS-018050 AccuTarget™ Human Oxidoreductase Real-Time PCR Primer Set

PHS-019050 AccuTarget™ Human Peptidase Real-Time PCR Primer Set

PHS-020050 AccuTarget™ Human Phosphatase Real-Time PCR Primer Set

PHS-021050 AccuTarget™ Human Receptor Real-Time PCR Primer Set

PHS-022050 AccuTarget™ Human Transferase Real-Time PCR Primer Set

PHS-023050 AccuTarget™ Human Transporter Real-Time PCR Primer Set

PHS-024050 AccuTarget™ Human Tubulin Real-Time PCR Primer Set

PHS-025050 AccuTarget™ Human Ubiquitin Real-Time PCR Primer Set