

Ferret Orthologue of *Homo sapiens* IRF1, Forward Primer

Catalog No. NR-9514

This reagent is the tangible property of the U.S. Government.

Product Description: NR-9514 pairs with NR-9515 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* IRF1 (interferon regulatory factor 1), (NCBI GeneID: 3659).

Lot: 1185

Manufacturing Date: 02JUL2007

TEST	SPECIFICATIONS	RESULTS
PCR Amplification¹ Recommended primer concentration Observed C _T Product T _m	Report results Report results Report results	250 nM 21.9 (see Figure 1) 87.5°C (see Figure 2)
Amplification and Sequence Verification²	IRF1	IRF1
Content (OD₂₆₀)	Report results	2.12
Content (µg)	Report results	60.92
Content (pmol)	Report results	9800
Volume Needed for 100 µM Solution (µL)	Report results	98.0
Purity by HPLC	> 75%	>95% (see Figure 3)

¹Real-time PCR assay with a standard cDNA template derived from mitogen-activated ferret (*Mustela putorius furo*) PBMCs, splenocytes and lung tissue.

²The PCR product of the target gene was cloned into pCR[®]2.1-TOPO[®]. Plasmid DNA was sequenced using the M13 reverse primer. Sequence identities were verified by BLASTN analysis against the NCBI database.

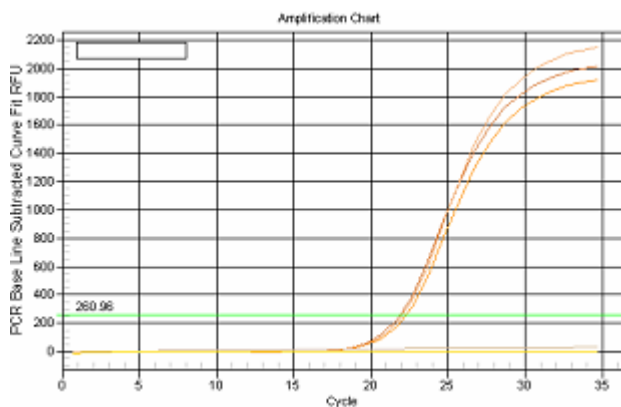


Figure 1. Amplicon amplification (ΔR_h versus Cycle Number).

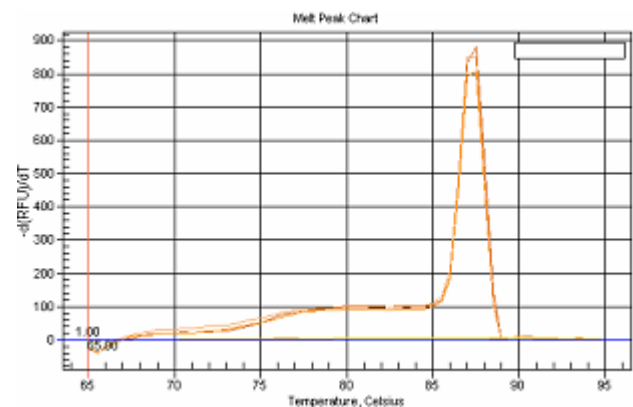


Figure 2. Amplicon dissociation (Derivative versus Temperature (°C)).

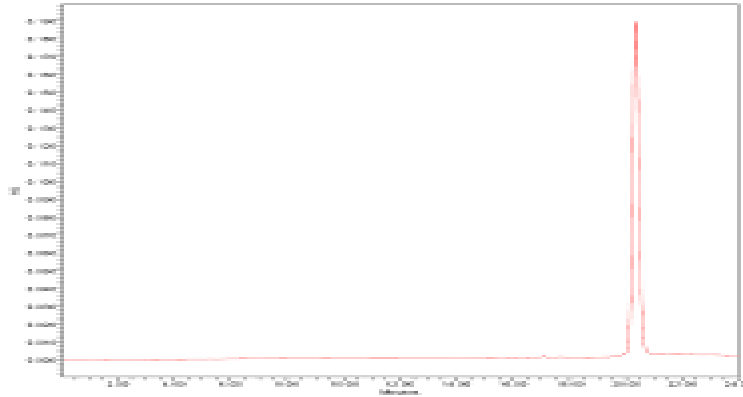


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 21 FEB 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

