

Ferret Orthologue of *Homo sapiens* IFNA1, Forward Primer

Catalog No. NR-8133

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Product Description: NR-8133 pairs with NR-8134 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* IFNA1 (interferon, alpha 1), (NCBI GenID: 3439).

Lot: 1059

Manufacturing Date: 14JUN2007

TEST	SPECIFICATIONS	RESULTS
PCR Amplification¹ Recommended primer concentration Observed C _T Product T _m	Report results Report results Report results	500 nM 23.1 (see Figure 1) 81°C (see Figure 2)
Amplification and Sequence Verification²	IFNA1	IFNA1
Content (OD₂₆₀)	Report results	2.28
Content (µg)	Report results	67.77
Content (pmol)	Report results	9647.37
Volume Needed for 100 µM Solution (µL)	Report results	96.47
Purity by HPLC	> 75%	86.64% (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.

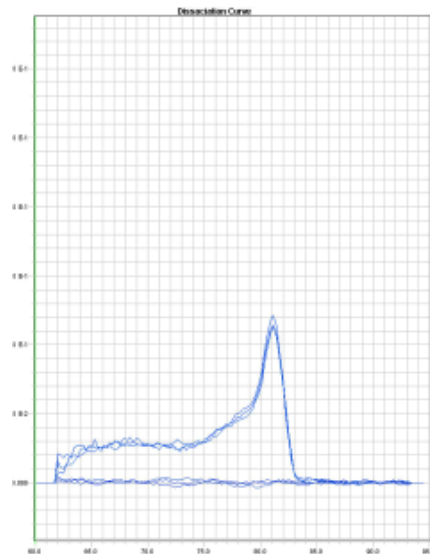
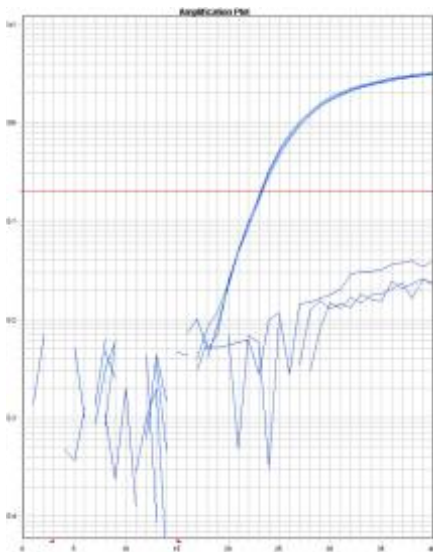


Figure 1. Amplicon amplification (ΔRh versus Cycle Number). Figure 2. Amplicon dissociation (Derivative versus Temperature ($^{\circ}C$)).

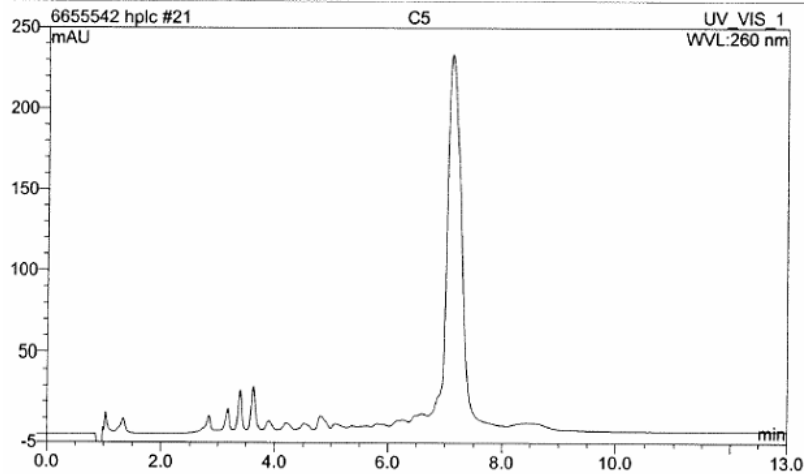


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 16 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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