

Ferret Orthologue of *Homo sapiens* NFKBIA, Forward Primer

Catalog No. NR-8125

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Product Description: NR-8125 pairs with NR-8126 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* NFKBIA (nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha), (NCBI GeneID: 4792).

Lot: 1051

Manufacturing Date: 14MAY2007

TEST	SPECIFICATIONS	RESULTS
PCR Amplification¹ Recommended primer concentration Observed C _T Product T _m	Report results Report results Report results	250 nM 29.7 (see Figure 1) 80°C (see Figure 2)
Amplification and Sequence Verification²	NFKBIA	NFKBIA
Content (OD₂₆₀)	Report results	1.2978
Content (µg)	Report results	45.46
Content (pmol)	Report results	7682.03
Volume Needed for 100 µM Solution (µL)	Report results	76.82
Purity by HPLC	> 75%	85.65% (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.

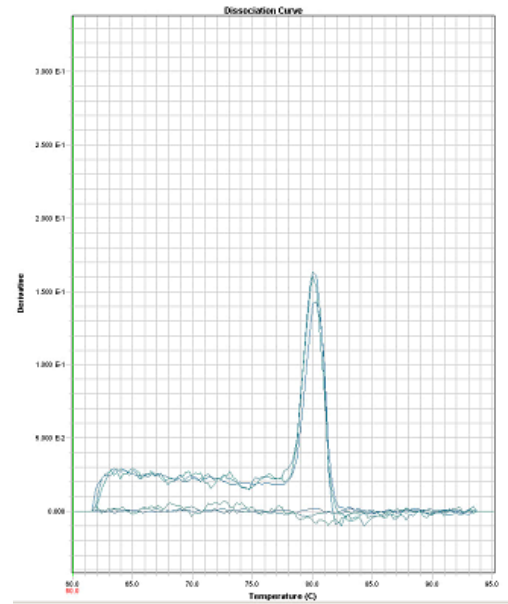
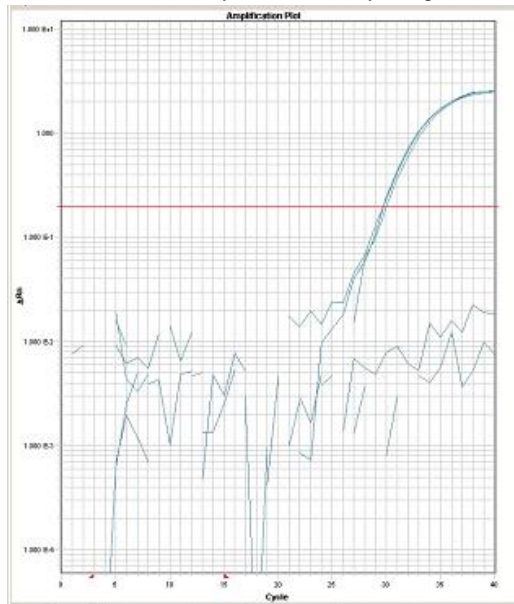


Figure 1. Amplicon amplification (ΔRh versus Cycle Number).

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

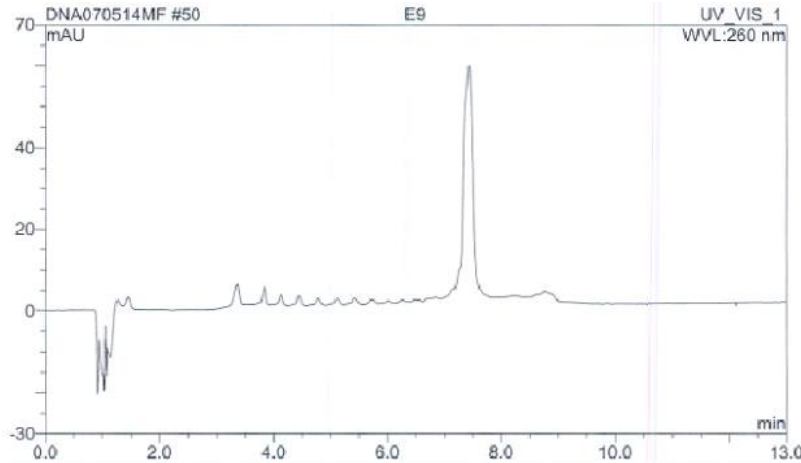


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 16 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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