

Ferret Orthologue of *Homo sapiens* IL4, Reverse Primer

Catalog No. NR-8152

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Product Description: NR-8152 pairs with NR-8151 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* IL4 (interleukin 4), (NCBI GeneID: 3565).

Lot: 1078

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 27 (see Figure 1) 75°C (see Figure 2)
Amplification and Sequence Verification²	IL4	IL4
Content (OD₂₆₀)	Report results	1.73
Content (µg)	Report results	57.67
Content (pmol)	Report results	8951.10
Volume Needed for 100 µM Solution (µL)	Report results	89.51
Purity by HPLC	> 75%	85.42% (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.

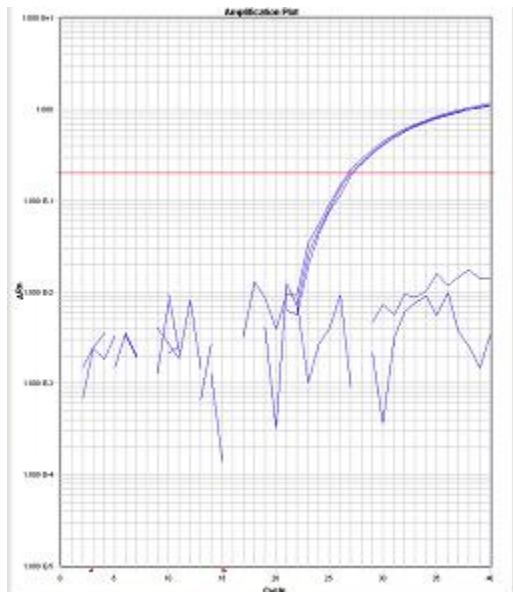


Figure 1. Amplicon amplification (ΔRh versus Cycle Number).

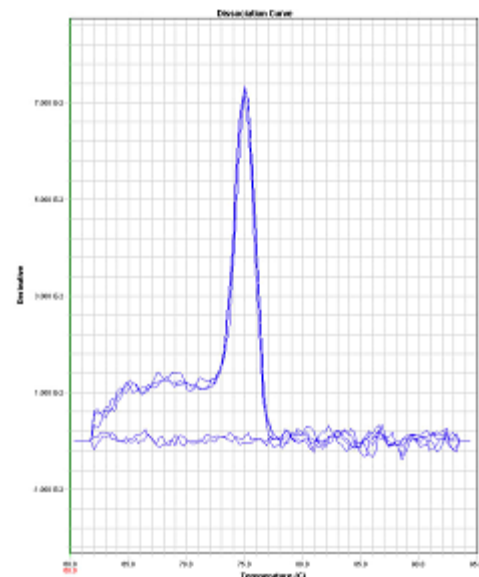


Figure 2. Amplicon dissociation (Derivative versus Temperature (°C)).

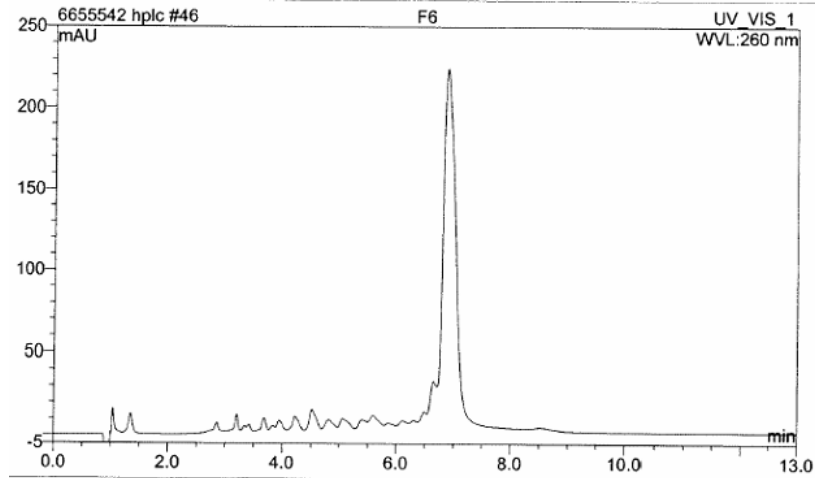


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 17 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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