

Ferret Orthologue of *Homo sapiens* IFN-X, Reverse Primer

Catalog No. NR-8140

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Product Description: NR-8140 pairs with NR-8139 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* IFN-X.

Lot: 1066

Manufacturing Date: 03JUL2007

TEST	SPECIFICATIONS	RESULTS
PCR Amplification¹ Recommended primer concentration Observed C _T Product T _m	Report results Report results Report results	250 nM 22.4 (see Figure 1) 77°C (see Figure 2)
Amplification and Sequence Verification²	IFN-X	IFN-X
Content (OD₂₆₀)	Report results	1.16
Content (µg)	Report results	40.83
Content (pmol)	Report results	6670.14
Volume Needed for 100 µM Solution (µL)	Report results	66.70
Purity by HPLC	> 75%	86.88% (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.

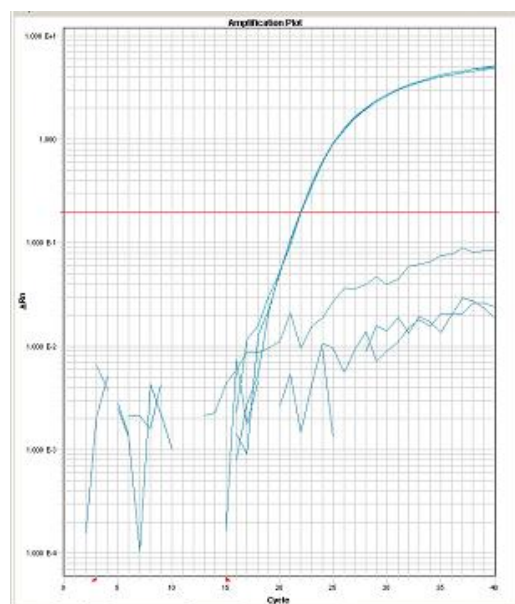


Figure 1. Amplicon amplification (ΔRh versus Cycle Number).

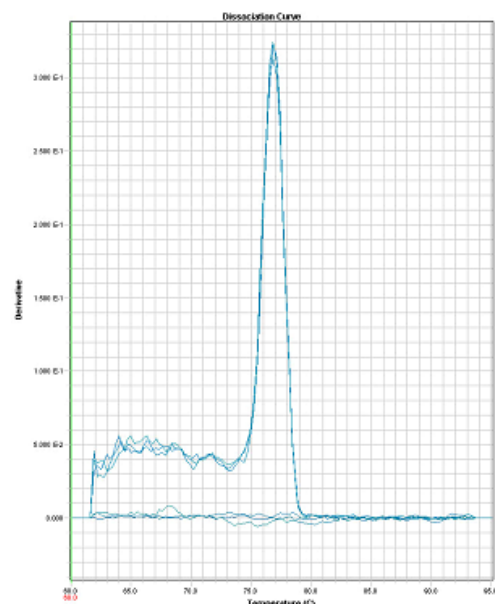


Figure 2. Amplicon dissociation (Derivative versus Temperature (°C)).

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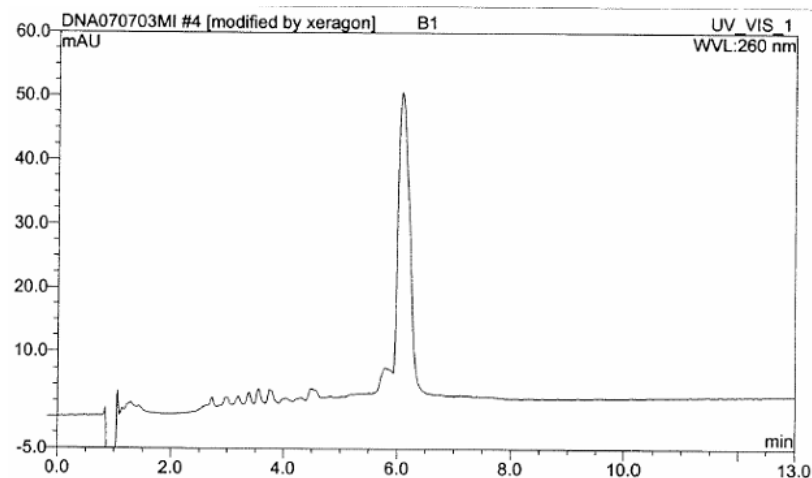


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 16 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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