

Ferret Orthologue of *Homo sapiens* IL16, Forward Primer

Catalog No. NR-8157

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Product Description: NR-8157 pairs with NR-8158 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* IL16 (interleukin 16 (lymphocyte chemoattractant factor)), (NCBI GenID: 3603).

Lot: 1083

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 31 (see Figure 1) 77.5°C (see Figure 2) |
| Amplification and Sequence Verification² | IL16 | IL16 |
| Content (OD₂₆₀) | Report results | 1.12 |
| Content (µg) | Report results | 40.24 |
| Content (pmol) | Report results | 8467.04 |
| Volume Needed for 100 µM Solution (µL) | Report results | 84.67 |
| Purity by HPLC | > 75% | 88.51% (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.

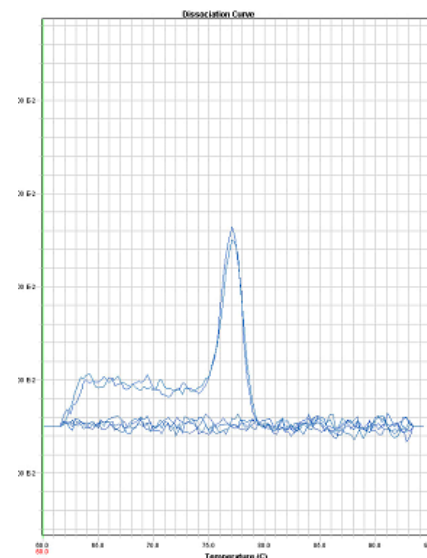
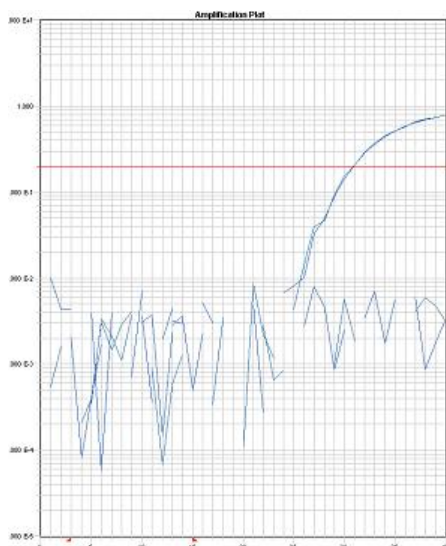


Figure 1. Amplicon amplification (ΔR_h versus Cycle Number).

Figure 2. Amplicon dissociation (Derivative versus Temperature ($^{\circ}C$)).

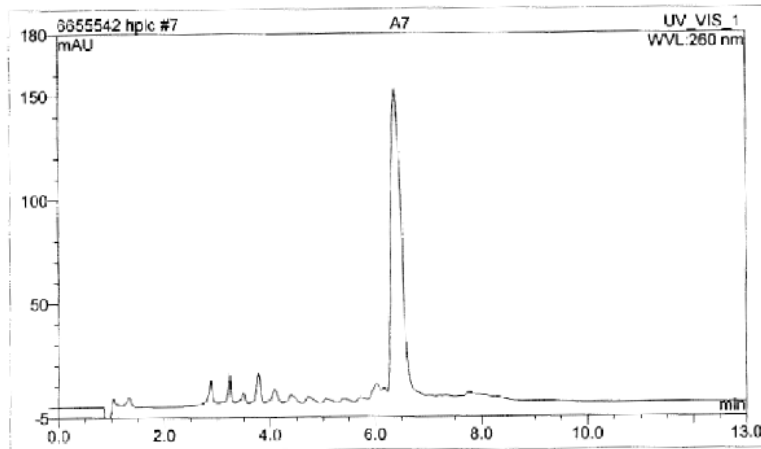


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 17 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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