

Ferret Orthologue of *Homo sapiens* P52rIPK-Like, Forward Primer

Catalog No. NR-8143

This reagent is the tangible property of the U.S. Government.

Product Description: NR-8143 pairs with NR-8144 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* P52rIPK-Like. P52rIPK-Like is a protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, (P58 repressor), (NCBI GeneID: 5612).

Lot: 1069

Manufacturing Date: 14MAY2007

TEST	SPECIFICATIONS	RESULTS
PCR Amplification¹ Recommended primer concentration Observed C _T Product T _m	Report results Report results Report results	300 nM 29.1 (see Figure 1) 87°C (see Figure 2)
Amplification and Sequence Verification²	P52rIPK-Like	P52rIPK-Like
Content (OD₂₆₀)	Report results	1.463
Content (µg)	Report results	47.38
Content (pmol)	Report results	8655.79
Volume Needed for 100 µM Solution (µL)	Report results	86.56
Purity by HPLC	> 75%	86.19% (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.

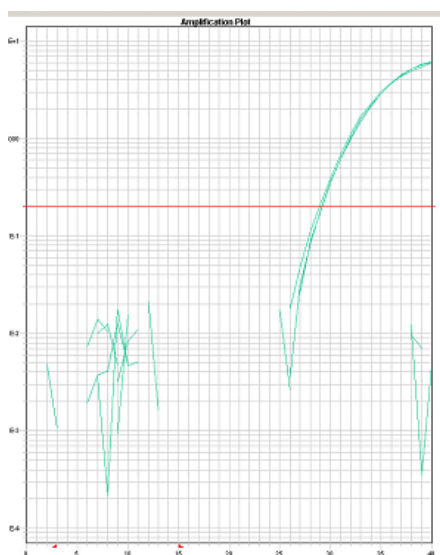


Figure 1. Amplicon amplification (ΔRh versus Cycle Number).

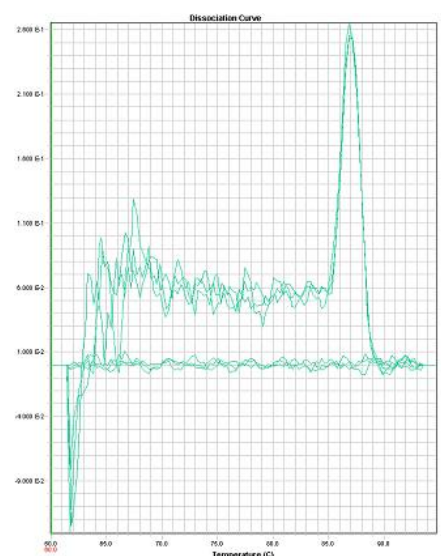


Figure 2. Amplicon dissociation (Derivative versus Temperature (°C)).

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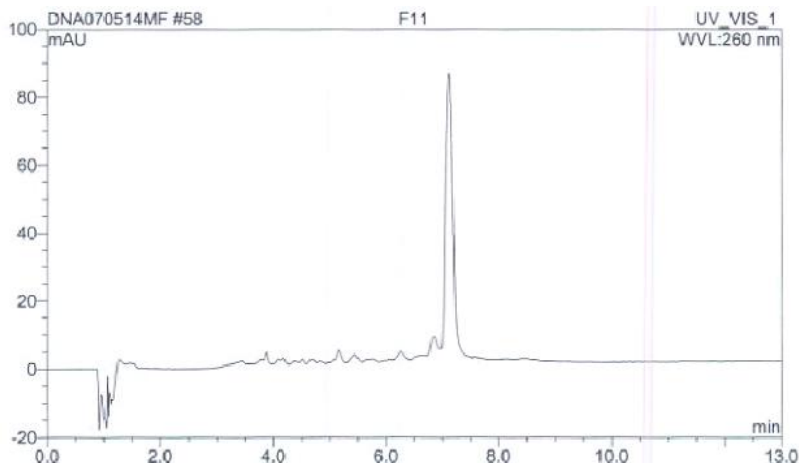


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 17 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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