

Ferret Orthologue of *Homo sapiens* SPRY4, Reverse Primer

Catalog No. NR-8128

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

Product Description: NR-8128 pairs with NR-8127 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* SPRY4 (sprouty homolog 4), (NCBI GeneID: 81848).

Lot: 1054

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 31 (see Figure 1) 88°C (see Figure 2)
Amplification and Sequence Verification²	SPRY4	SPRY4
Content (OD₂₆₀)	Report results	1.43
Content (µg)	Report results	46.28
Content (pmol)	Report results	8565.55
Volume Needed for 100 µM Solution (µL)	Report results	85.65
Purity by HPLC	> 75%	85.99% (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.

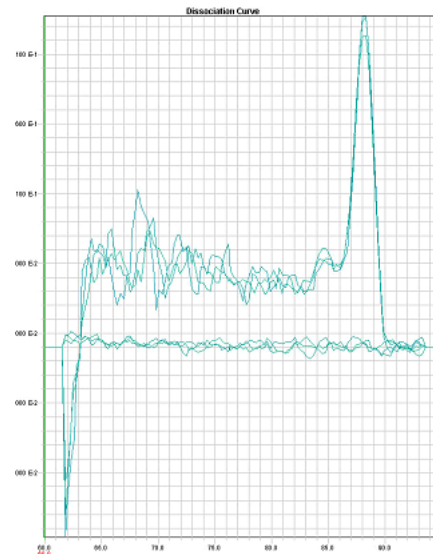
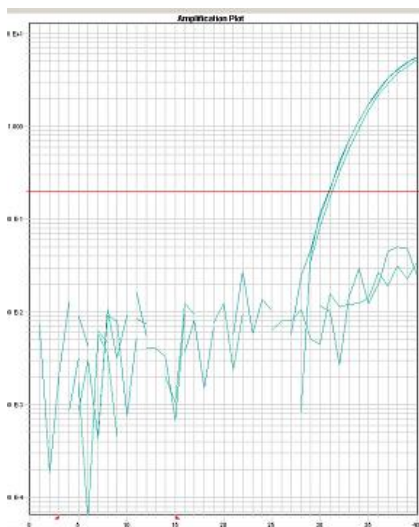


Figure 1. Amplicon amplification (ΔRh versus Cycle Number).

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

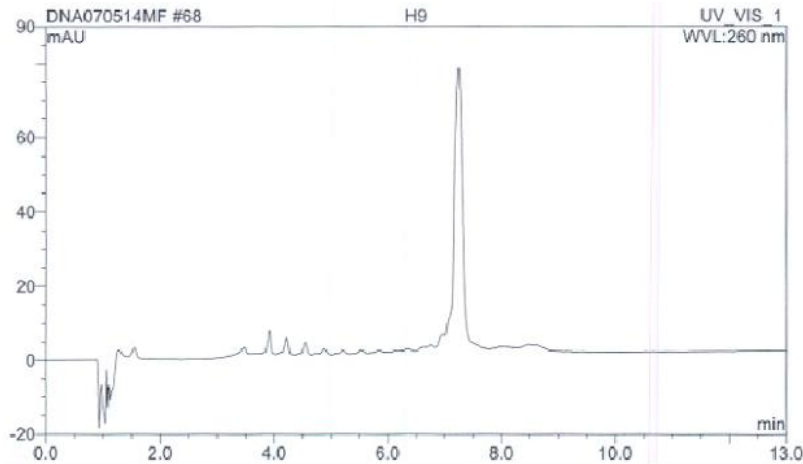


Figure 3. HPLC trace of purified oligonucleotide (Absorbance versus Elution Time).

Date: 16 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

