



Product Specification

RT-PCRmer™ Rat β -actin

Catalog No. 40-1002-10 Size: 10 nmols
Ship: Ambient Storage: -20°C

| Locus | Primers | Fragment Size | Exon | Tm |
|----------------|--------------------|---------------|------|------|
| β -actin | β -actin 1/2 | 289 bp | 3 | 55°C |

Note: This primer set will amplify a fragment of 289 bp from human and rat cDNA.

The fragments can be distinguished from rat or human source by digestion with Pvu II; the rat amplified 289 bp fragment is digested to give a 132 and 157 fragments whereas the human amplified fragment is not digested due to the absence of the Pvu II

DESCRIPTION

RT-PCRmer™ are primer pairs for specific amplification of cDNA. β -actin is ubiquitously expressed and serves as a positive control for northern and other expression studies. β -actin RT-PCRmer™ is generally used as controls for measuring cDNA synthesis efficiency by reverse transcription and as controls for mRNA (cDNA) quantitative expression studies. β -actin RT-PCRmer™ are supplied as a lyophilized powder in aliquots of 10nmoles. The 10nmoles of primer when dissolved in 500 μ l sterile water or TE will give a solution of 20 μ Molar i.e. 20pmoles/ μ l. The quantity supplied is sufficient for at least 400 regular 25 μ l PCR reaction* for ethidium bromide stained visualization. This primer set will amplify a fragment of 289 bp from human and rat cDNA. The fragments can be distinguished from rat or human source by digestion with Pvu II; the rat amplified 289 bp fragment is digested to give a 132 and 157 fragments whereas the human amplified fragment is not digested due to the absence of the Pvu II (1).

The product is supplied as a lyophilized powder, after reconstitution store at -20°C. Oligo purity is greater than 98% as determined by denaturing polyacrylamide gel electrophoresis.

Reference

1. du Breuil, R. M., Patel, J.M. and Mendelow, B.V. (1993) PCR methods and applications. 3:57-59.

*The polymerase chain reaction (PCR) process is covered by patents owned by Hoffmann-La Roche. A license to perform is automatically granted by the use of authorized reagents.

All Gene Link Products are for research use only.



Gene Link™

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