

SeqAmp™ DNA Polymerase

Catalog Nos.

638504
638509

Amount

50 rxns
200 rxns

Lot Number

Specified on product label.

Description

SeqAmp DNA Polymerase is a high fidelity PCR enzyme with hot start capabilities that is especially well-suited for use with specific SMARTer® kits for transcriptome analysis (NGS). This optimized PCR enzyme has been shown to perform well even with challenging templates containing GC-rich and AT-rich regions.

Package Contents

<u>638504</u>	<u>638509</u>	
(50 rxns)	(200 rxns)	
50 µl	200 µl	SeqAmp DNA Polymerase
1.25 ml	4 x 1.25 ml	SeqAmp PCR Buffer (2X)

Storage Conditions

- Store all components at –20°C.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice (–70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:

- SeqAmp DNA Polymerase Protocol-At-A-Glance

Quality Control Data

PCR Test

SeqAmp DNA Polymerase performed well when used to amplify:

- 12, 20, 24.1, 27, and 30 kb fragments from a human genomic DNA template
- 0.5 kb and 4 kb fragments with high GC or AT content from a human genomic DNA template (0.5 kb with 75.4% GC, 4 kb with 63.1% GC, 0.5 kb with 64.3% AT, and 4 kb with 61.8% AT).

Hot-Start Test

Inhibition of DNA polymerase activity by the hot start antibody in SeqAmp DNA Polymerase was confirmed by comparing the results of PCR performed using heated and unheated reaction mixtures.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Takara Bio USA, Inc.

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