



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Mouse C57 Cartilage cDNA

**Code:** MD-109-C57

**Quantity:** 30 reactions

**Storage Conditions:** Store at -20°C. Suitable for one year from the date of purchase, if stored correctly.

**Applications:** The cDNA is primed with oligo dT primer and is ideal for gene expression analysis by PCR, characterization of alternative splicing of mRNA, gene cloning and target sequencing.

**Quality Control:** The PCR-Ready cDNA is functionally tested with the control primers in the recommended PCR reaction.

**Description:** The PCR-ready first strand cDNA is synthesized from high quality RNA isolated from tissue. This total RNA is isolated by modified guanidine thiocyanate method and treated with RNase-free DNase. The reverse transcribed is performed combining an oligo dT primer and reverse transcriptase, enabling the synthesis of full length cDNA up to 8.9kb. Use 1µl of cDNA for each PCR reaction.

The amplification conditions used for amplification of beta-actin as a positive control in a volume of 100µl:

| Components                   | Volume ( µl /reaction) | Final concentration |
|------------------------------|------------------------|---------------------|
| cDNA                         | 1                      |                     |
| Polymerase reaction buffer   | 10                     | 10X                 |
| MgCl <sub>2</sub> , 25mM     | 7.8                    | 2nM                 |
| Nucleotide Mix, 10mM         | 2.0                    | 0.2mM               |
| Upstream beta-Actin primer   | 1                      | 100µM               |
| Downstream beta-Actin primer | 1                      | 100µM               |
| Taq Polymerase (5 units)     | 1                      |                     |
| Water                        | 76.2                   | -                   |
| Total volume                 | 100 µl                 |                     |

## Program of amplification:

|             | Denaturation | 25 CYCLES    |           |           | Final Extension | Hold |
|-------------|--------------|--------------|-----------|-----------|-----------------|------|
|             |              | Denaturation | Annealing | Extension |                 |      |
| Time        | 2 min.       | 1 min.       | 1 min.    | 2 min.    | 5 min.          | -    |
| Temperature | 94 °C        | 94 °C        | 60 °C     | 72 °C     | 72 °C           | 4°C  |

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