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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse C57 Bone, long cDNA

Code: MD-107-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 ₂ , 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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