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## PRODUCT: qPCR Human Reference cDNA, oligo(dT)-primed

CATALOG No.	AMOUNT	VOLUME	DESCRIPTION
636692	25 rxns	50 $\mu$ l	cDNAs prepared from a mixture of total RNAs collected from adult normal human tissues. This cDNA mixture has been chosen to represent a broad range of expressed genes.
636693	100 rxns	200 $\mu$ l	
<b>LOT NUMBER</b>			qPCR Human Reference cDNA serves as a standard for accurate and reproducible comparison of gene expression data using qPCR (quantitative PCR) as well as a positive control template for validation of gene primer design. Enough cDNA is supplied for either 25 or 100 reactions requiring 2 $\mu$ l of sample per reaction; the number of reactions is based on a 50 $\mu$ l reaction volume.
Specified on product label.			
<b>CONCENTRATION</b>			The sample was oligo(dT) primed.
50 ng equiv. total RNA/ $\mu$ l			
<b>FORM</b>			
Solution of cDNA in a Tris containing buffer			
<b>STORAGE CONDITIONS:</b>			
Store at $-20^{\circ}\text{C}$			
<b>SHELF LIFE</b>			
1 year from date of receipt under proper storage conditions.			
<b>SHIPPING CONDITIONS:</b> Dry ice ( $-70^{\circ}\text{C}$ )			
<b>FOR RESEARCH USE ONLY</b>			

### QUALITY CONTROL DATA

The total RNA template was tested by real-time qPCR in order to assess levels of contaminating genomic DNA; <0.01% (w/w) genomic DNA was detected.

### FUNCTIONAL QUALITY CONTROL

The qPCR Human Reference cDNA, oligo(dT)-primed, was tested for performance in real-time quantitative PCR for the human PPIA gene using a SYBR<sup>®</sup> Green detection platform. Six sequential fivefold dilutions of first-strand cDNA, corresponding to a range of total human RNA from 20 ng to 6.4  $\mu$ g, were used as template. Expected results were observed.

APPROVED BY: \_\_\_\_\_



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