



## Human Mesenchymal Stem Cell-adipose cDNA (HMSC-ad cDNA)

Catalog #7514

Volume: 20  $\mu$ l (approximately 20 reactions)

### Product Description

Human Mesenchymal Stem Cell-adipose PCR-ready first strand cDNA (HMSC-ad cDNA) is prepared from RNA extracted from Human Mesenchymal Stem Cells-adipose by a Qiagen RNeasy kit. 2  $\mu$ g total RNA is then reverse-transcribed using an Applied Biosystems' High-Capacity cDNA Reverse Transcription kit. 1  $\mu$ l cDNA is sufficient for one PCR reaction. cDNA from ScienCell Research Laboratories is convenient and cost effective for researchers as it eliminates the need to acquire expensive tissues.

### Quality Control

- The  $A_{260}/A_{280}$  ratio of the cDNA is measured to be between 1.7-1.9 using a Beckman Coulter DU 800 spectrophotometer.
- The cDNA is performance-tested in a control PCR using  $\beta$ -actin primers.

### Application

- PCR
- DNA microarray and gene expression profiling
- Cloning of specific genes
- Gene alternative splicing and mutation detection

### Product Use

HMSC-ad cDNA is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

### Storage

Store cDNA at  $-20^{\circ}\text{C}$  upon arrival; aliquot the cDNA to avoid repeated freeze/thaw cycles.

### Shipping

Dry ice