



**Human Esophageal Smooth Muscle Cell Total RNA  
(HEsSMC tRNA (formerly known as HESMC))**  
Catalog #2715

Quantity: 10 µg

**Product Description**

Human Esophageal Smooth Muscle Cell total RNA (HEsSMC tRNA) is prepared from early passage Human Esophageal Smooth Muscle Cells using the Qiagen AllPrep DNA/RNA Mini kit. Total RNA concentration was determined by DU 800 UV/Visible spectrophotometer. Total RNA from ScienCell Research Laboratories is convenient and cost effective for researchers as it eliminates the need to acquire expensive tissues for isolation of RNA.

**Quality Control**

- Purity:  $A_{260}/A_{280}$  ratio of 1.9-2.1
- RNA integrity: intact 18S rRNA bands and 28S rRNA bands verified by a denaturing agarose gel, with a 2:1 ratio of 28S:18S.

**Application**

- RT-PCR and Real Time RT-PCR
- cDNA synthesis
- RNA protection assay
- Northern blot analysis
- Purification of mRNA for library construction
- PCR-select cDNA subtraction

**Product Use**

HEsSMC tRNA is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

**Storage**

Store the RNA immediately at  $-80^{\circ}\text{C}$  upon arrival. To ensure stability, it is recommended to aliquot the RNA into single-use fractions to avoid repeated freeze/thaw cycles.

**Shipping**

Dry ice.

Note: The Qiagen AllPrep DNA/RNA Mini kit isolates all RNA molecules larger than 200 nucleotides. RNA molecules <200 nucleotides are selectively excluded.