



**Human Esophageal Smooth Muscle Cell total RNA  
(HESMC total RNA)**

Catalog Number: 2715

RNA Preparation:	HESMC total RNA was prepared from passage one culture of human esophageal smooth muscle cells using Qiagen RNeasy kit. Total RNA concentration was determined by DU 800 UV/Visible spectrophotometer. An aliquot of 10 $\mu\text{g}$ was stored at $-80^{\circ}\text{C}$ .
Applications	RT-PCR, cDNA synthesis, RNA protection assay, northern blot analysis, purification of mRNA for library construction, PCR-select cDNA subtraction, and DNA micro array.
Storage Condition:	Store the RNA immediately at $-80^{\circ}\text{C}$ upon arrival. To ensure stability, we recommend aliquote the RNA into single-use fraction to avoid repeated freeze/thaw cycle.
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. Residual DNA: not detected by RT-PCR.
Concentration	10 $\mu\text{g}$ (1 $\mu\text{g}/\mu\text{l}$ )
Shipping	Dry ice