



**Human Esophageal Smooth Muscle Cell Lysate  
(HESMC Lysate)**  
Catalog #2716

Quantity: 200 µg

**Product Description**

Human Esophageal Smooth Muscle Cell Lysate (HESMC Lysate) is prepared from early passage Human Esophageal Smooth Muscle Cells using a modified RIPA buffer (50 mM Tris-HCl pH 7.2, 150 mM NaCl, 1% NP-40, 1mM EDTA, 1 mM EGTA, 0.4 mM PMSF, 5 µg/ml aprotinin, 5 µg/ml leupeptin, 1 µg/ml pepstatin, 1 mM Na<sub>3</sub>VO<sub>4</sub>, 5 mM NaF). Lysate concentration is determined by Beckman Coulter DU 800 spectrophotometer. Lysate is diluted and stored in Storage Buffer (Tris-HCl pH 6.8, 5% glycerol, 1% SDS, 0.002% bromphenol blue, 5% β-mercaptoethanol). Lysate from ScienCell Research Laboratories is convenient and cost effective for researchers as it eliminates the need to acquire expensive tissues.

**Quality Control**

- The quality of the lysate is confirmed by SDS-PAGE.

**Application**

- Western Blotting

**Product Use**

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

**Storage**

Store lysate immediately at -80°C upon arrival; aliquot the lysate to avoid repeated freeze/thaw cycles

**Shipping**

Dry ice.

**Note:** It is recommended to heat the lysate for 5 min at 95°C and put on ice before loading to a SDS-PAGE gel.