

# Human Foreskin Fibroblast Whole Cell Lysate

**Cat. No.** Foreskin Fibroblast-013HCL    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**

Ready-to-use whole cell lysates are derived from cell lines or tissues using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels and immunoblot analysis using antibodies to key cell signaling components to confirm the presence of both high molecular weight and low molecular weight proteins.

**Species**                      Human

**Form**                              Liquid (sterile filtered)

**Specificity**

The cells were grown in medium supplemented with 10% fetal bovine serum. Cells were washed with PBS and then incubated on ice in modified RIPA buffer to lyse the cells. Protein integrity was ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08  $\mu$ M Aprotinin, 5  $\mu$ M Bestatin, 1.5  $\mu$ M E-64, 2  $\mu$ M Leupeptin Hemisulfate, 1  $\mu$ M Pepstatin A). Phosphatase inhibitors 1 mM NaF and 1 mM Na<sub>3</sub>VO<sub>4</sub> were also added. Cell debris was removed by centrifugation. Protein concentration was determined by a modified Lowry assay using a commercially available kit. Protein concentration was adjusted to 2 mg/mL and then an equal volume of 2× SDS-PAGE sample buffer was added.

**Applications**                      WB, SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

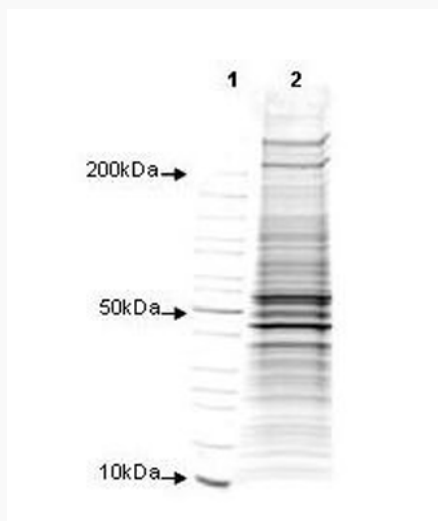
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                             |                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Cell Line</b>            | Human Foreskin Fibroblast                                                                                      |
| <b>Lysate Fractionation</b> | Whole Cell Lysate                                                                                              |
| <b>Lysate Stimulation</b>   | Not Stimulated                                                                                                 |
| <b>Culture Type</b>         | Tissue Culture                                                                                                 |
| <b>Induction</b>            | None (Control)                                                                                                 |
| <b>Concentration</b>        | 1.0 mg/mL by BCA assay                                                                                         |
| <b>Buffer</b>               | 1× SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)         |
| <b>Preservative</b>         | None                                                                                                           |
| <b>Stabilizer</b>           | 10% (v/v) Glycerol                                                                                             |
| <b>Shipping</b>             | Dry Ice                                                                                                        |
| <b>Storage</b>              | Store vial at -70 centigrade or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles. |
| <b>Expiration</b>           | Expiration date is three months from date of receipt.                                                          |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**

Coomassie stained SDS-PAGE of 30 µg of Human Foreskin Fibroblast Whole Cell Lysate separated using a 4-20% gradient gel under reducing conditions (lane 2).

Molecular weight standards are shown in lane 1.

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA