

Human Cell Lysate from A549 Cells

Catalog No.: SL7000

Quantity: 0.1 mg

Concentration: 2.0 mg/ml

Background: The identification of the human genome has promoted novel studies involving aging, behavioral research, diabetes and obesity, immunology, bioassay and pharmacological screening. Western blot analysis assists scientists conducting such research to make important contributions to functional genomics, allowing for structural, functional and comparative analysis of proteins in human models. Cell lysates provide a simple and fast solution for screening the expression of a particular protein in human cell lines.

Format: **State:** Total protein derived from Human A549 cell line (lung carcinoma) in 1x Sample Buffer (60 mM Tris-HCl (pH 6.8), 10 mM EDTA, 2 % SDS, 0.03% Bromophenol Blue, 10% glycerol, 0.3% beta-mercaptoethanol).

Applications: Each tissue or cell lysate is prepared in 1x sampling buffer at a concentration ideal for most SDS-PAGE applications. With these lysates, consistent quality protein separation is assured for several runs.
One vial of lysate is sufficient to run 10 lanes (10 µg/lane) of protein.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Storage: Store at -20°C for up to 3 months.
For long term storage, keep lysates in dark at -70°C.
Avoid repetitive freeze-thaw cycles, as this may result in degradation of protein and less defined bands when separated by SDS-PAGE.
Shelf life: one year from despatch.

General Readings: 1. Ausubel, F., Brent, R., Kingston, R., Moore, D., Seidman, J.G., Smith, J., Struhl, K., Current Protocols In Molecular Biology, 1998, V2, 10.8.1-10.8.16.