

Human LNCaP Whole Cell Lysate

Cat. No. LNCaP-052HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Multi-purpose Whole Cell Lysates are derived from cell lines 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.
Species	Human
Form	Liquid (sterile filtered)
Specificity	LNCap cells were grown in RPMI-1640 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 µM Aprotinin, 5 µM Bestatin, 1.5 µM E-64, 2 µM Leupeptin Hemisulfate, 1 µM Pepstatin A). Phosphatase inhibitors 1 mM NaF and 1 mM Na ₃ VO ₄ 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 4 mg/mL with 1× RIPA buffer.
Applications	SDS-PAGE
Cell Line	Human - prostate carcinoma
Lysate Fractionation	Whole Cell Lysate

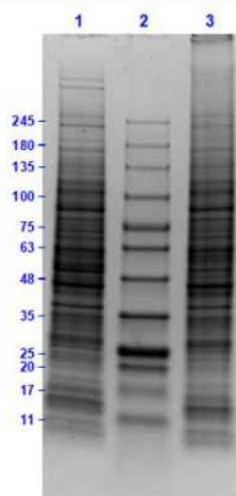
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Lysate Stimulation	Not Stimulated
Culture Type	Tissue Culture
Induction	None (Control)
Concentration	4.0 mg/mL by BCA assay
Buffer	1× RIPA Buffer with HALT Protease and Phosphatase Inhibitors
Preservative	None
Stabilizer	None
Shipping	Dry Ice
Storage	Store vial at -70 centigrade or COLDER. For extended storage, aliquot lysate to minimize freeze/thaw cycles.
Expiration	Expiration date is three months from date of receipt.

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SDS-PAGE

SDS-PAGE of Ramos Whole Cell Lysate.

Lane 1: Ramos Whole Cell Lysate Reduced (10 µg).

Lane 2: Opal Prestained Molecular Weight Marker.

Lane 3: Ramos Whole Cell Lysate Non-Reduced (10 µg).

Results show broad range of molecular weight bands with no sign of degradation.