Human Doxorubicin Stimulated HeLa Whole Cell Lysate

Cat. No. HeLa-024HCL **Lot. No.** (See product label)

SPECIFICATION

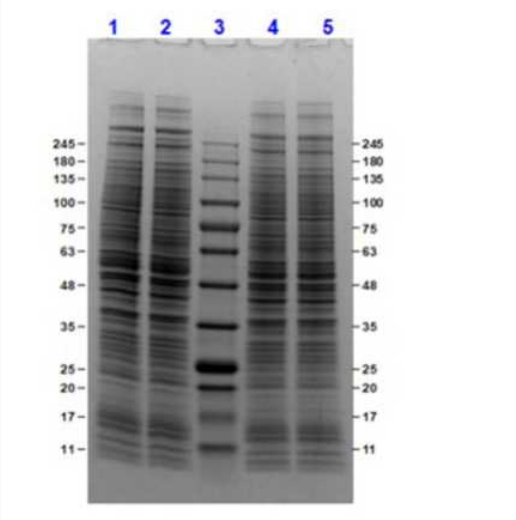
Product Overview	Ready-to-use whole cell lysates are derived from cell lines or tissues using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels and immunoblot analysis 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 DMEM supplemented with 10% FBS (Fetal Bovine Serum). Cells were treated with 0.5 µg/mL Doxorubicin for 2 h. Cells were washed in PBS and incubated on ice in modified RIPA buffer to lyse the cells. Protein integrity is 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 and 1 µM Pepstatin A). Phosphatase inhibitors sodium fluoride, sodium orthovanadate, sodium pyrophosphate and glycerophosphate were also added. Cell debris was removed by centrifugation. Protein concentration was determined by Lowry assay using a commercially available kit. The protein concentration was adjusted to 2 mg/mL and then an equal volume of 2× SDS-PAGE sample buffer was added.
Applications	SDS-PAGE

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Cell Line	HeLa - Human epidermoid carcinoma
Lysate Fractionation	Whole Cell Lysate
Lysate Stimulation	Doxorubicin
Culture Type	Tissue Culture
Induction	Doxorubicin (0.5 µg/mL)
Concentration	1.0 mg/mL by BCA assay
Buffer	1× SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Preservative	None
Stabilizer	10% (v/v) Glycerol
Shipping	Dry Ice
Storage	Store vial at -70 centigrade or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Expiration	Expiration date is three months from date of receipt.

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SDS-PAGE



SDS-PAGE results of Doxorubicin Stimulated HeLa Whole Cell Lysate.

Lane 1: HeLa Whole Cell Lysate [10 µg] Reduced.

Lane 2: HeLa Whole Cell Lysate-Doxorubicin Stimulated [10 µg] Reduced.

Lane 3: Opal Prestained Molecular Weight Marker.

Lane 4: HeLa Whole Cell Lysate [10 µg] Non-Reduced.

Lane 5: HeLa Whole Cell Lysate-Doxorubicin Stimulated [10 µg] Non-Reduced.

4-20% Gel, Coomassie Stained.

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