

Human MDA-MB-231 Whole Cell Lysate

Cat. No. MDA-MB-231-055HCL **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	MDA-MB-231 cells were grown in Dulbecco's 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 μ M Aprotinin, 5 μ M Bestatin, 1.5 μ M E-64, 2 μ M Leupeptin Hemisulfate, 1 μ M 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 - pleural effusion (adenocarcinoma)
Lysate Fractionation	Whole Cell Lysate

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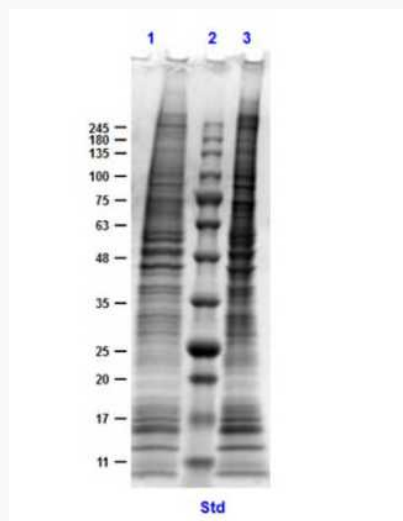
Lysate Stimulation	Not Stimulated
Culture Type	Tissue Culture
Induction	None (Control)
Concentration	4.0 mg/mL by BCA assay
Buffer	1× RIPA Buffer with HALT Protease and Phosphatase Inhibitors
Preservative	None
Stabilizer	None
Shipping	Dry Ice
Storage	Store vial at -70 centigrade or COLDER. For extended 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 Results of MDA-MB-231 Whole Cell Lysate.
 Lane 1: MDA-MB-231 Whole Cell Lysate Reduced [10 µg].
 Lane 2: Opal Prestained Molecular Weight Marker.
 Lane 3: MDA-MB-231 Whole Cell Lysate Non-Reduced [10 µg].
 4-20% Gel, Coomassie Stained.

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