

Human HepG2 Nuclear Cell Lysate

Cat. No. HepG2-043HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Multi-purpose Hep-G2 nuclear extracts 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.
Species	Human
Form	Liquid (sterile filtered)
Specificity	Hep-G2 cells were grown in Minimum Essential 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 include sodium fluoride, sodium orthovanadate, sodium pyrophosphate and β -glycerophosphate. 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 in RIPA buffer containing protease and phosphatase inhibitors.
Cell Line	Human - hepatocellular carcinoma
Lysate Fractionation	Nuclear Extract

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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 Nuclear Extract to minimize freeze/thaw cycles.
Expiration	Expiration date is three months from date of receipt.

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