Human A-172 Cell Nuclear Extract

Cat. No. A-172-028HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Multi-purpose A-172 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	A-172 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 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 Na3VO4 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 in RIPA buffer containing protease and phosphatase inhibitors.
Cell Line	Human - glioblastoma
Lysate Fractionation	Nuclear Extract
Lysate Stimulation	Not Stimulated

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Culture Type	Tissue Culture
Induction	None (Control)
Concentration	4.1 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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