

Native HEK293 Nuclear Extract

Cat. No. 293T-01NE **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HEK293 nuclear extract was prepared from cell cultures of the Human Embryonic Kidney (HEK) 293 cell line.
Species	Human
Source	HEK293
Description	This cell line was originally derived from transformation of normal human embryonic tissue cultures with a sheared DNA fragment of the left arm of the adenoviral 5 viral genome. These cells are commonly used in research due to their ease of growth and transfectability. However, since the cellular origin of these hypotriploid cells is poorly understood, they are not recommended for use as an in vitro model for kidney cell function. 293 nuclear extract contains all the basal transcriptional and mRNA splicing components and serves as an ideal cell-free platform for analysis of transcription and pre-mRNA processing mechanisms.
Applications	293 nuclear extract is specifically recommended for analysis of 1) in vitro transcription, 2) protein-protein and protein-DNA/RNA interactions, and 3) in vitro splicing.
Quality Control Test	Extracts have been quality control tested by Western blot.
Stability	This product is guaranteed for 6 months from date of receipt. This product is for research use only and is not for use in diagnostic procedures.

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Storage	To ensure stability, extracts should be stored at -80 centigrade. We recommend aliquoting the extracts into single-use fractions and then storing them at -80 centigrade. This eliminates repeated freeze/thaw cycles.
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Concentration	200 µg of 293 nuclear extract at 4.68 µg/µL.
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Storage Buffer	293 nuclear extract is supplied in Dilution Buffer (20 mM Hepes (pH 7.9), 100 mM KCl, 1 mM MgCl ₂ , 20% glycerol, 0.5 mM PMSF and 0.5 mM DTT).
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GENE INFORMATION

Synonyms	Nuclear Extract
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