293T Cell Nuclear Extract

Catalog Number	AG1021-200	AG1021-500
Unit Size	200ug/vial	500ug/vial

Description

293T (or HEK293T) is a human cell line derived from human embryonic kidney cell line commonly used for protein expression and production of recombinant retroviruses. Due to the expression of a mutant form of the SV40 large T antigen in the cell line, the episomal replication of plasmids with SV40 origin of replication allows for amplification of the transfected plasmids and extended temporal expression of the desired gene products.

Source

293T cell

Protein Concentration

≥6mg/ml

Biological Activity

The 293T cell nuclear extract was prepared as described by Dignam et al (1) and Manley et al (2), and is ideal for in vitro transcription, splicing, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 100mM KCl, 20% Glycerol, 1mM DTT and 0.5mM EDTA.

Storage and Handling

The extract should be stored at -80^{o}C and defrosted immediately before use. It can be stored at -80^{o}C for up to 12 months without detectable loss of activity. Always avoid repeated freeze-thaw cycles.

References

1. Dignam, J.D., et al., (1983) Nucleic Acids Res. 11, 1475-1489
2. Manley, J.L., et al., (1980) Proc. Natl. Acad. Sci. USA 77, 5706-5710

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