

Cos-7 Cell Nuclear Extract

Catalog Number	AG1019-200	AG1019-500
Unit Size	200ug/vial	500ug/vial

Description

This is an African green monkey kidney fibroblast-like cell line suitable for transfection by vectors requiring expression of SV40 T antigen. COS is a cell line often used by biologists when studying the monkey virus SV40. It is also often used to produce recombinant proteins for molecular biology, biochemistry, and cell biology experiments. This line contains T antigen, retains complete permissiveness for lytic growth of SV40, supports the replication of ts A209 virus at 40°C, and supports the replication of pure populations of SV40 mutants with deletions in the early region. The line was derived from the CV-1 cell line by transformation with an origin defective mutant of SV40, which codes for wild type T antigen.

Source

Cos-7 cell

Protein Concentration

≥6mg/ml

Biological Activity

The Cos-7 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°C and defrosted immediately before use. It can be stored at -80°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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