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SV40 Large T Antigen

Catalog No: 5800

Lot No: See Product Label

Package Size: See Product Label

Concentration: See Product Label

Storage Conditions: Store at -20°C

Description

The major regulatory protein of SV40 virus, responsible for virion assembly, viral and cellular transcriptional regulation, viral DNA replication, and alteration of the cell cycle. SV40 Large T Antigen plays multifunctional roles:

- Functions as an initiator protein to begin DNA replication at the SV40 origin
- Performs as a DNA helicase that unwinds DNA ahead of the polymerizing complex
- Acts as a primosome loading protein
- Exhibits ATPase activity

Function Definition

1 µl of protein is required to show T-antigen dependence of SV40 DNA replication *in vitro* (1).

Protein (Bradford Assay)

1.08 µg / µl

Storage Buffer

10 mM Tris-HCl (pH 8.0)
100 mM NaCl
1.0 mM dithiothreitol
1.0 mM EDTA
50% (v/v) glycerol

Assay Conditions

According to the method of Li and Kelly (1).

References

(1) Li, Joachim J. and Kelly, Thomas J. (1985) Mol Cell Biol. **5** 1238-1246