Active Native Simian virus 40 SV40gp6 protein

Cat. No. SV40gp6-268 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Simian virus 40 SV40gp6 was purified from insect cells.
Species	SV40
Source	SV40
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.
Form	10 mM Tris-HCl (pH 8.0)100 mM NaCl1.0 mM dithiothreitol1.0 mM EDTA50% (v/v) glycerol
Bio-activity	1 μof protein is required to show T-antigen dependence of SV40 DNA replication in vitro.
Applications	1. Simian virus (SV40) DNA is the best model for mammalian chromosomal DNA replication in vitro.2. Examining fidelity and biochemistry of DNA replication in humans.3. Identifying mode of action and mechanisms leading to cell transformation in vitro and tumor formation in vivo.4. Regulating gene expression in eukaryotic cells.5. Studying the inhibition of DNA replication by mutagenesis.6. Determining risks posed by human carcinogens Comparing replication of normal and malignant cells Investigating the cytotoxic effects of drugs.7. Investigating apoptosis.
Quality Control Test	All preparations are assayed for stimulation of DNA synthesis in a T antigen-dependent DNA replication assay;Typical preparations are greater than 90% pure as

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	judged by SDS polyacrylamide gel electrophoresis
Storage	Store at -20 centigrade
Concentration	1.08 g / µ

GENE INFORMATION

Gene Name	SV40gp6 large T antigen [Simian virus 40]
Official Symbol	large T antigen
Synonyms	SV40gp6; large T antigen
Gene ID	1489531
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	P03070

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