

Recombinant Simian Virus 40 Large T Antigen, His-tagged

Cat. No. SV40gp6-1895S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Simian Virus 40 Large T Antigen with His tagged (708 amino acids) was expressed in <i>aBaculovirus</i> system and purified by affinity and FPLC chromatography.
Species	Simian Virus
Source	Insect Cells
Description	The large T antigen (TAg) of Simian virus 40 acts as an initiator of DNA replication, participates in cellular transformation, and induces cell growth. A number of functional domains have been characterized including the N-terminal J domain, nuclear localization signal (NLS), internal helicase domain, Rb and topoisomerase I interacting domain, p53 and ATP binding domain. The p53-interacting domain is also essential for binding p300/CBP). Phosphorylation of TAg by several kinases may regulate its function both positively and negatively.
Purity	The purified recombinant protein is greater than 95% homogeneous based on SDS-PAGE analysis. 1 unit equals 1 nanogram of purified protein. 50-500 units are sufficient for an in vitro unwinding assay and 100 units are sufficient for a protein-protein interaction assay.
Application	Recombinant SV40 T antigen can be used for: 1) DNA unwinding assay; 2) DNA replication assay; 3) DNA binding assays; 4) protein-protein interaction assays; and 5) cell growth assay.
Formulation	Variable in different lots. 1x dilution buffer A: 20 mM Tris-Cl (pH 8.0), 20% Glycerol,

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100 mM KCl, 1 mM DTT, and 0.2 mM EDTA.

GENE INFORMATION

Gene Name SV40gp6 large T antigen [Simian virus 40]

Synonyms SV40gp6; large T antigen

Gene ID 1489531

Protein Refseq NP_043127

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