

Active Recombinant SV40gp6, His-tagged

Cat. No. SV40gp6-8506S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SV40gp6,fused with His tag, was expressed in Sf21 Cells.
Species	Simian virus
Source	Sf21 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.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng 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.
AA Sequence	MDKVLNREES LQLMDLLGLE RSAWGNIPLM RKAYLKKCKE FHPDKGGDEE KMKKMNTLYK KMEDGVKYAH QPDFGGFWDA TEIPTYGTDE WEQWWNAFNE ENLFCSEEMP SSDDEATADS QHSTPPKKKR KVEDPKDFPS ELLSFLSHAV FSNRTLACFA IYTTKEKAAL LYKKIMEKYS VTFISRHNSY NHNILFFLTP HRHRVSAINN YAQKLCTFSF LICKGVNKEY LMYSALTRDP FSVIEESLPG GLKEHDFNPE EAEETKQVSW KLVTEYAMET KCDDVLLLLG MYLEFQYSFE

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MCLKCIKKEQ PSHYKYHEKH YANAAIFADS KNQKTICQQA VDTVLAKKRV
 DSLQLTREQM LTNRFNDDLLD RMDIMFGSTG SADIEEWMAG VAWLHCLLPK
 MDSVVYDFLK CMVYNIPKKR YWLFKGPIDS GKTTLAAALL ELCGGKALNV
 NLPLDRLNFE LGVAIDQFLV VFEDVKGTGG ESRDLPSGQG INNLDNLRDY
 LDGSVKVNLE KKHLNKRTQI FPPGIVTMNE YSVPKTLQAR FVKQIDFRPK
 DYLLKHCLERS EFLLEKRIIQ SGIALLLMLI WYRPVAEFAQ SIQSRIVEWK
 ERLDKEFSL S VYQKMKFNVA MGIGVLDWLR NSDDDDDEDSQ ENADKNEDGG
 EKNMEDSGHE TGIDSQSQGS FQAPQSSQSV HDHNQPYHIC RGFTCFKKPP
 TPPPEPET

Purity >95% as determined by SDS-PAGE

Storage -80 °C

Concentration 400 µg/ml

Shipping Dry Ice

GENE INFORMATION

Gene Name SV40gp6 large T antigen [Simian virus 40]

Official Symbol SV40gp6

Synonyms SV40gp6; large T antigen

Gene ID [1489531](#)

Protein Refseq [YP_003708382](#)

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