



Recombinant Simian Virus 40 Large Antigen [His] (DAGC100)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Simian Virus
Purity	~ 95% as determined by SDS-PAGE
Conjugate	His
Applications	DNA unwinding assay, DNA replication assay, DNA binding assays, protein-protein interaction assays, cell growth assay
Molecular Weight	83.3 kDa
Format	Liquid
Size	5 µg
Buffer	20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol
Preservative	None
Storage	Store at -20 to -80°C.
Ship	4°C or dry ice

BACKGROUND

Introduction	The large T antigen (TA _g) 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.
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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.

Keywords	SV40 T-antigen; Simian Virus; Simian Virus 40 Large Antigen; SV40; SV40 large T antigen
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GENE INFORMATION

Protein Refseq	MDKVLNREES LQLMDLLGLE RSAWGNIPLM RKAYLKKCKE FHPDKGGDEE KMKKMNTLYK KMEDGVKYAH QPDFGGFWDA TEIPTYGTDE WEQWWNAFNE ENLFCSEEMP SSDDEATADS QHSTPPKKKR KVEDPKDFPS ELLSFLSHAV FSNRTLACFA IYTTKEKAAL LYKKIMEKYS VTFISRHSY NHNILFFLTP HRHRVSAINN YAQKLCTFSF LICKGVNKEY LMYSALTRDP FSVIEESLPG GLKEHDFNPE EAEETKQVSW KLVTEYAMET KCDDVLLLLG MYLEFQYSFE MCLKCIKKEQ PSHYKYHEKH YANAAIFADS KNQKTICQQA VDTVLAKKRV DSLQLTREQM LTNRFNDDLD RMDIMFGSTG SADIEEWMAG VAWLHCLLPK MDSVVYDFLK CMVYNIPKKR YWLFKGPIDS GKTTLAAALL ELCGGKALNV NLPLDRLNFE LGVAIDQFLV VFEDVKGTGG ESRDLPSGQG INNLDNLRDY LDGSVKVNLE KKHLNKRTQI FPPGIVTMNE YSVPKTLQAR FVKQIDFRPK DYLLKHCLERS EFLEKRIIQ SGIALLLMLI WYRPVAEFAQ SIQSRIVEWK ERLDKEFSLS VYQKMKFNVA MGIGVLDWLR NSDDDDDEDSQ ENADKNEDGG EKNMEDSGHE TGIDSQSQGS FQAPQSSQSV HDHNQPYHIC RGFTCFKKPP TPPPEPET
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