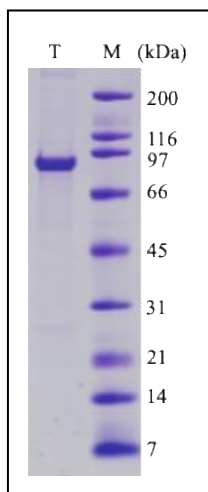


Recombinant SV40 T Antigen

Catalog Number	Size
AG1119-10	10ug
AG1119-25	25ug
AG1119-B	Bulk

Description



The large T antigen of Simian virus 40 (SV40) protein was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 723 (15+708) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 90kDa.

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MHHHHHHGRRASVLEMDKVLNREESLQIMDLLGLERSAWGNIPLMRKAYL
KKCKEFHPDKGGDEEKMKKMNTLYKKMEDGVKYAHQPDFGGFWDATEIPT
YGTDEWEQWWNAFNEENLFCSEEMPSSDDEATADSQHSTPPKKKRVEDP
KDFPSELLSFLSHAVFSNRTLACFAIYTTKEKAALLYKKIMEKYSVTFIS
RHNSYNHNILFFLTPhrhrvsainnyaqklctfsflickgvnkeylmySA
LTRDPFSVIEESLPGGLKEHDFNPEEAEETKQVSWKLVT EYAMETKDDV
LLLLGMYLEFQYSFEMCLKCIKKEQPSHYKYHEKHANAAIFADSKNQKT
ICQQAVDTVLAKKRVDLSQLTREQMLTNRFNDLLDRMDIMFGSTGSADIE
EWMAGVAWLHCLLPKMDSVVYDFLKMVYNI PKKRYWLFKGPIDSGKTTL
AAALLELCGGKALNVNLPDLRLNFELGVAIDQFLVVFEDVKGTGGESRDL
PSGQGINNLDNLRDYL DGSVKVNLEKKHLNKR TQIFPPGIVTMNEYSVPK
TLQARFVKQIDFRPKDYLKHCLE RSEFLLEKRI IQSGIALLLMLI WYRPV
AEFAQSIQSRIVEWKERLDKEFSLSVYQKMKNVAMGIGVLDWL RNSDDD
DEDSQENADKNEDGGEKNMEDSGHETGIDSQSQGSFQAPQSSQSVHDHNQ
PYHICRGFTCFKKPPTPPPEPET-
```

Accession Number

NC_001669

Molecular Mass

Approximately 90kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The Large T antigen of SV40 acts as an initiator of DNA replication, participates in cellular transformation, and induces cell growth. The recombinant T antigen protein can be used for the studies of DNA unwinding, protein-DNA/protein-protein interactions, and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!