

Recombinant Pan-species (General) LT Protein, His-tagged

Cat. No. LT-2764P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pan-species (General) LT Protein (Lys131-Glu260) with a N-His tag was expressed in E. coli.
Species	Pan-species
Source	E.coli
ProteinLength	Lys131-Glu260
Description	The large T antigen binds DNA, and complexes with a 53,000 dalton cellular protein, p53, which is required for initiation of viral DNA replication during lytic growth. In addition, the large T antigen binds DNA polymerase and the transcription factor AP-2 and forms a specific complex with the P105 product of the retinoblastoma susceptibility gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.8 kDa Accurate Molecular Mass: 19 kDa
Purity	> 95%
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

 Tel: 1-631-559-9269 1-516-512-3133

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

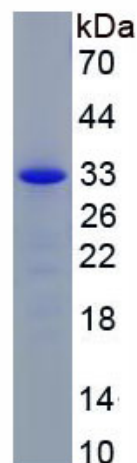
GENE INFORMATION

Official Symbol

LT

Synonyms

Large T Antigen; LT; LT-AG; Simian virus 40 large T antigen



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