Recombinant HIV tat protein ab109949

Overview

Product name: Recombinant HIV tat protein
Protein length: Full length protein

Description

Nature: Recombinant
Source: Escherichia coli
Amino Acid Sequence: Q6UFJ9
Amino acids: 1 to 101

Specifications

Our Abpromise guarantee covers the use of ab109949 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications: Western blot, SDS-PAGE
Purity: >98% SDS-PAGE
Form: Lyophilised

Preparation and Storage

Stability and Storage: Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
Constituent: 0.1% Glycerol

Reconstitution: The protein should be reconstituted in apirogenic sterile water or PBS buffer. The reconstituted solution has to be used immediately. (Avoid repeated freeze/thaw cycles).

General Info

Relevance: The transcriptional transactivator (Tat) is a key regulatory protein of HIV. It is expressed early after the virus integrates into the cell, and stimulates the elongation of RNA polymerase II. It binds onto
a sequence known as the TAR, or transactivator response element, located at the end of the HIV genetic chain. There, the tat protein helps assemble new copies of HIV. The tat protein-TAR complex speeds up the rate of viral reproduction by about a thousand times. If it is not present, the transcription process frequently stops short, and few functional HIV particles are produced. Tat is an important potential target for antiretrovirals and vaccine development.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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