

Product datasheet

Recombinant HIV tat (mutated C22) protein ab83352

1 References

Description

| | |
|----------------------------|---|
| Product name | Recombinant HIV tat (mutated C22) protein |
| Biological activity | Reacts with anti-Tat antibodies from human, monkey, rabbit and mouse serum. |
| Purity | > 90 % SDS-PAGE. |
| Expression system | Escherichia coli |
| Accession | <u>CAL40981.1</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Modifications | mutated C22 |

Specifications

Our **Abpromise guarantee** covers the use of **ab83352** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|-------------------------|---|
| Applications | Blocking Functional Studies Western blot SDS-PAGE |
| Form | Lyophilized |
| Additional notes | Reacts with anti-Tat antibodies from human, monkey, rabbit and mouse serum. |

Preparation and Storage

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|------------------------------|--|
| Stability and Storage | Shipped at 4°C. Store at -80°C. pH: 7.50 Constituents: 0.24% Monobasic dihydrogen sodium phosphate, 0.91% Mannitol, 0.284% Dibasic monohydrogen sodium phosphate, 0.328% Sodium phosphate, 0.0154% DTT, 2.5% Glycerol, 6.96% Sodium chloride |
| Reconstitution | The protein should be reconstituted in apyrogenic and sterile dH ₂ O. The reconstituted solution has |

to be used immediately, since it is not stable in liquid form.

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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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