

## Active Recombinant HIV-1 IIIB p66 (RT) Protein

**Cat. No.** HIV1IIIBp66(RT)-125H    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | HIV                                                                                                                                                                                                                         |
| <b>Source</b>         | E.coli                                                                                                                                                                                                                      |
| <b>Description</b>    | Full length Recombinant heterodimeric HIV-1 IIIB p66 (RT) produced in E.coli expression system. This protein shows reactivity with murine monoclonal antibodies and human polyclonal antibodies in ELISA and Western ELISA. |
| <b>Form</b>           | Frozen Liquid                                                                                                                                                                                                               |
| <b>Bio-activity</b>   | 0.1 unit of purified RT incorporates a minimum of 5 picomoles of dTTP per minute under standard RT assay conditions.                                                                                                        |
| <b>Molecular Mass</b> | 66 kD                                                                                                                                                                                                                       |
| <b>Purity</b>         | > 98 % by SDS-PAGE                                                                                                                                                                                                          |
| <b>Applications</b>   | Reverse Transcriptase Reference;<br>Diagnostics;<br>ELISA / Western ELISA;<br>Drug Screening.                                                                                                                               |
| <b>Notes</b>          | Recommended concentrations for use are approximate values. A dose dependent                                                                                                                                                 |

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response assay should be performed to determine the optimal concentration for use in specific applications.

ELISA and Western ELISA require 1-10ng protein depending on the nature and affinity of the test antibody. Solid phase antigen in 50-100ng amounts shows reactivity with human serum antibodies in dot blot assays.

**Stability**

At least 12 months at -75 centigrade.

**Storage**

Store at -75 centigrade.

**Dilutions**

50mM Tris,pH8,10% Glycerol Drug Screening, 1mM DTT,0.2M NaCl

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