

Datasheet for ABIN934610

HIV Reverse Transcriptase Protein (HIVRT)[Go to Product page](#)

Overview

Quantity:	25 µg
Target:	HIV Reverse Transcriptase (HIVRT)
Origin:	Human Immunodeficiency Virus (HIV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Characteristics:	Purified recombinant HIV-RT protein Expression System: E.coli
Purity:	> 95 % pure

Target Details

Target:	HIV Reverse Transcriptase (HIVRT)
Alternative Name:	HIV-RT
Target Type:	Viral Protein

Background: Reverse transcriptase creates single-stranded DNA from an RNA template. The enzyme is encoded and used by reverse-transcribing viruses, which use the enzyme during the process of replication. Reverse-transcribing RNA viruses, such as retroviruses, use the enzyme to reverse-transcribe their RNA genomes into DNA, which is then integrated into the host genome and replicated along with it. Reverse-transcribing DNA viruses, such as the hepadnaviruses, can allow RNA to serve as a template in assembling, and making DNA strands. HIV infects humans with the use of this enzyme.

Target Details

Alternative Names: HIV 1-RT protein, HIV 1-RT, HIV1 RT protein, HIV-1 RT, HIV-1 Reverse Transcriptase protein, HIV1-RT, HIV-1 RT protein, HIV1RT protein

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Buffer: 30 mM bis-Tris, pH 6.9, with 150 mM NaCl, 0.0 mM EDTA, and 0 mM B-mercaptoethanol.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.