



Recombinant HIV Reverse Transcriptase (DAG1875)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Solution.
Antigen Description	HIV1 Reverse Transcriptase is an RNA-dependent DNA polymerase of HIV1 (AIDS virus), subtype B origin. It is responsible for the production of a double stranded DNA copy of the single stranded RNA genome that is contained in the HIV1 virus particle and primed by the host cell lysine-tRNA which partly unfolds and anneals to the 5' end of the viral genomic RNA. This is extended by the polymerase function of RT to give a DNA-RNA hybrid. It also has RNaseH activity which degrades the RNA component of this hybrid once it has been copied.
Species	HIV
Conjugate	Unconjugated
Applications	Enzyme Activity
Format	Liquid
Buffer	In 10 mM potassium phosphate, pH 7.4, 1 mM DTT and 20% glycerol
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	The HIV reverse transcriptase has ribonuclease activity that degrades the viral RNA during the synthesis of cDNA, as well as DNA-dependent DNA polymerase activity that copies the sense cDNA strand into an antisense DNA to form a double-stranded viral DNA intermediate (vDNA).
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