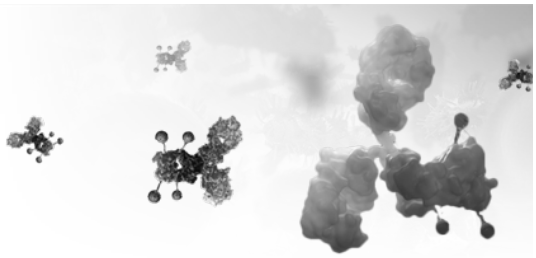

# Recombinant HIV type 1 Integrase Protein (a.a. 9-289) (DAG-P2675)

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

## PRODUCT INFORMATION

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| **Product Overview** | HIV1 integrase protein fragment |
| **Antigen Description** | Integrase is an enzyme, a product of the HIV1 Gag/Pol gene; the other two enzymes being reverse transcriptase and protease. The human immunodeficiency virus (HIV-1) uses an enzyme, a so-called integrase, to carry out the integration of its viral DNA into the host chromosome thereby tricking the host cell machinery into making viral proteins. The HIV-1 integrase is a protein of 32 kDa and is composed of three domains. No cellular homologue of HIV integrase has been described, so potential inhibitors to this enzyme could be relatively nontoxic. |
| **Species** | HIV |
| **Purity** | > 95 % by SDS-PAGE. |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA WB |
| **Bio-activity** | Strongly reacts with human HIV positive serum |
| **Format** | Liquid |
| **Buffer** | Preservative: None Constituents: 50% Glycerol, 0.2% Triton-X-100, 1.5M Urea, 25mM Tris HCl, pH 8 |
| **Preservative** | None |
| **Storage** | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 0.2% Triton-X-100, 1.5M Urea, 25mM Tris HCl, pH 8 |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

# BACKGROUND

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|---|---|
| **Introduction** | The human immunodeficiency virus (HIV) is a lentivirus (slowly replicating retrovirus) that causes the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic |
| **Keywords** | HIV; Human Immunodeficiency virus 1; IN; Integrase; HIV1 integrase |

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