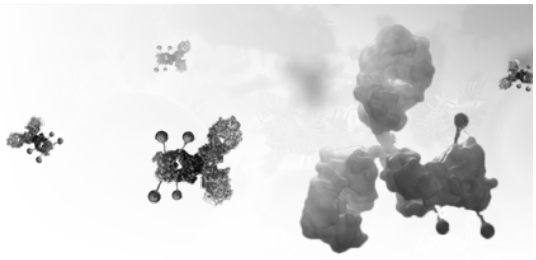

Recombinant HIV type 1 p31 [His] (DAG1544)

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

PRODUCT INFORMATION

Product Overview	The E. coli derived recombinant protein is a non-glycosylated polypeptide chain, containing the HIV-1 immunodominant regions from the p31 protein (integrase) 9-289 amino acids, fused with a 6*His tag at N-terminus.
Species	HIV
Purity	Greater than 95.0% as determined by HPLC analysis and SDS-PAGE.
Conjugate	His
Applications	WB, ELISA
Format	Liquid
Size	100 μg, 500 μg, 1 mg
Buffer	1.5M urea, 25mM Tris-HCl pH 8.0, 0.2% Triton-X, 50% Glycerol.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Integrase is an enzyme produced by the HIV which enables its genetic material to be integrated into the DNA of the infected cell and is a key component in the pre-integration complex. HIV integrase contains 3 domains, an N-terminal HH-CC zinc fingerdomainwhich is partially responsible for multimerization, a central catalytic domain and a C-terminal domain. Both Central catalytic domain and C-terminal domains have been shown to bind both viral and cellular DNA. No crystal structure data exists with Integrase bound to its DNA substrates. HIV-1 integrase functions as a dimeror a tetramer. Additionally, several host cellular proteins interact

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

	with integrase and may facilitate the integration process.
Keywords	Human Immunodeficiency Virus; HIV p31; HIV; HIV-1 p31; HIV-1; HIV type 1 p31

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