HIV-1 pol Integrase Recombinant Protein

Recombinant HIV-1 pol Integrase

CATALOG #	HOST	APPLICATIONS
AAA38335	**E Coli**	**Western Blot, ELISA**

PRODUCT SYNONYMS

HIV-1 pol Integrase; Recombinant HIV-1 pol Integrase; HIV-1 Integrase; HIV-1 Integrase Recombinant; HIV-1 pol Integrase recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Immunoreactive with all sera of HIV-1 infected individuals.
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	1.5M urea, 25mM Tris-HCl pH 8.0, 0.2% Triton-X & 50% Glycerol. Sterile filtered colorless clear solution.
Concentration	4.55mg/1ml (varies by lot)
Sequence	mfldgidkaq eehekyhsnw ramasdfnlp pvvakeivas cdkcqlkgea mhgqvdcspg iwqldcthle gkvilvavhv asgyieaevi paetgqetay filklagrwp vktihtdngs nftsttvkaa cwwagikqef gipynpqsqg viesmnkelk kiigqvrdqa ehlktavqma vfihnfkrkg giggysager ivdiiatdiq tkelqkqitk iqnfrvyyrd srdplwkgpa kllwkgegav viqdnsdikv vprrkakiir dygkqmagdd cvasrqdedh hhhhh
Applicable Applications for HIV-1 pol Integrase recombinant protein	WB (Western Blot), ELISA

ADDITIONAL INFORMATION

Related Product Information for HIV-1 pol Integrase recombinant protein	**Description:** The E Coli derived 36 kDa recombinant protein is a non-glycosylated polypeptide chain, containing the HIV-1 immunodominant regions from the pol protein (intergrase) and fused with a six histidines tag. **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 with integrase and may facilitate the integration process.
Product Categories/Family for HIV-1 pol Integrase recombinant protein	Viral Antigens; HUMAN IMMUNODEFICIENCY VIRUS; Viral Antigens; HIV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/hiv-1-pol-integrase-recombinant-protein-e-coli-wb-western-blot-elisa/38335