

HIV-1 p24 Recombinant Protein | HIV-1 recombinant protein

HIV-1 p24 Recombinant Protein

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA41012	E coli	Virus	SDS-Page, Western Blot, ELISA

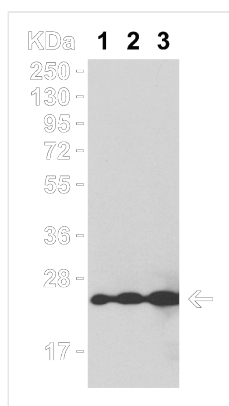
PRODUCT SYNONYMS

HIV-1 p24; HIV-1 p24 Recombinant Protein; Gag polyprotein; Pr55Gag; MA; Caspid p24; HIV-1 recombinant protein

PRODUCT SPECIFICATIONS

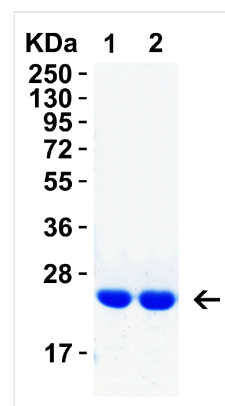
Host	E coli
Reactivity	Virus
Purity/Purification	> 95% as determined by Bis-Tris PAGE
Form/Format	Liquid; PBS (pH 7.4)
Sequence	Fulllength
Applicable Applications for HIV-1 recombinant protein	SDS-PAGE, WB (Western Blot), ELISA
Source	Other
Tag	His tag at C-terminus
Research Area	Infectious Disease
NCBI Organism	Human immunodeficiency virus type 1 group M subtype B (isolate HXB2) (HIV-1)
Preparation and Storage	Store in working aliquots at -70 degree C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

IMAGES



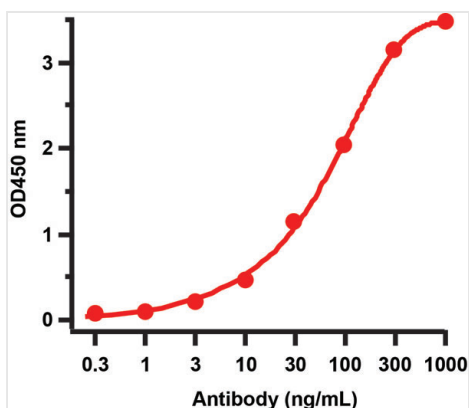
WB (Western Blot)

Figure 3 WB Validation of HIV-1 p24 Protein with HIV-1 p24 Antibodies Loading: 5 ng, 10 ng and 25 ng of HIV-1 p24 protein. Detection Antibodies: HIV-1 p24 antibody, PM-6335, 0.5ug/mL, incubate at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubate at RT for 1 hr.



SDS-PAGE

Figure 2 SDS-PAGE Validation of HIV-1 p24 Recombinant Protein Loading: 0.5ug (lane 1) and 1ug (lane 2) of HIV-1 p24 recombinant protein, AAA41012. Observed: 24kD



ELISA

Figure 1 ELISA Validation of HIV-1 p24 Recombinant Protein Coating Antigen: HIV-1 p24 protein, 1ug/mL, incubated at 4 degree C overnight. Detection Antibodies: HIV-1 p24 antibodies, PM-6335, dilution: 0.3- 1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubate at RT for 1 hr.

ADDITIONAL INFORMATION

Related Product Information for HIV-1 recombinant protein	HIV-1 p24 Antibody: The human immunodeficiency virus type 1 (HIV-1) particle consists of an envelope, a core and the region between the two termed matrix. The HIV-1 Gag protein is a late structural protein that contains four proteins: matrix (p17), capsid (p24), nucleocapsid (p7) and the p6 protein. The p24 is the major capsid protein of the virus and has been used in clinical trials as one of the components of the HIV-1 vaccine because of the high degree of sequence conservation between different strains.
Product Categories/Family for HIV-1 recombinant protein	Recombinant Proteins
References	Goto et al. Micron 1998; 29:123-38. Freed. Virology 1998; 251:1-15. Lindenburg et al. Vaccine 2002; 20 :2343-7.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	155030
UniProt Accession #	P04591 ; Q77YG1
Molecular Weight	Predicted: 24; 41; 55 kDa
NCBI Official Full Name	gag polyprotein
NCBI Official Symbol	gag
NCBI Protein Information	Pr55(Gag); matrix; capsid; nucleocapsid; p2; p6; p1
UniProt Protein Name	Gag polyprotein
UniProt Gene Name	gag
UniProt Synonym Gene Names	MA; CA; NC
UniProt Entry Name	GAG_HV1H2

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/gag-recombinant-protein-e-coli-sds-page-wb-western-blot-elisa/41012>