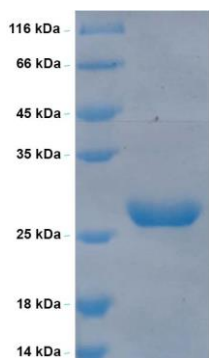


p24 (HIV-1/HXBc2) Protein

CATALOG NUMBER: IV-017-005P, 50 µg

Introduction	p24 is a component of the HIV particle capsid and encoded by HIV-1 gag (group-specific antigen) gene. The gag gene codes for the precursor gag polyprotein which is processed by viral protease during maturation to MA (matrix protein, p17); CA (capsid protein, p24); SP1 (spacer peptide 1, p2); NC (nucleocapsid protein, p7); SP2 (spacer peptide 2, p1) and P6 protein which are required for virus particle assembly. p24 is a major viral core structural protein. Its measurement is commonly used as an indicator of HIV-1 infection and viral load.
Applications	Western blot standard, antibody ELISA, HIV-1 entry inhibition, etc.
Description	Viral protein expressed and purified from 293 cell culture.
Viral Protein	C-terminal 6xHis tagged p24 protein (GenBank No. K03455).
Storage	Store at -20 °C; Stable for 3-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Concentration	1 mg/ml in PBS
Purity	≥ 95% purity (SDS PAGE)



SDS-PAGE (12%): purified p24 (HXBc2) protein

Protein SEQ:

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QGQMVHQAI SPRTLNAWVKVVEEKAFSPEVIMFSA LSEGATPQDLN TMLNTVGGHQ AAMQMLKETINEEAAEWDRVHPVHAGPIA  
PGQMREPRGSDIAGTTSTLQE QIGWMTNPP I PVGEIYKRWI ILGLNKIVRMYSP T SILDIRQGPKEPFRDYVDRFYKTLRAEQAS  
QEVKNWMTETLLVQNPDC K TILKALGPAATLEEMMTACHHHHHH
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