**HIV-1 p55 gag**

Human Immunodeficiency Virus 1 Antigen recombinant, Baculovirus

**Cat. No.** PR-1217  
**Amount** 10 µg

For in vitro use only!

**Shipping:** shipped on blue ice

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles

**Shelf Life:** 12 months

**Molecular Weight:** 55 kDa

**Purity:** > 90 % (SDS-PAGE, HPLC)

**Form:** liquid (Supplied in 10 mM Tris-HCl pH 8.0, 140 mM NaCl and 400 mM L-Arginine. For long time storage add a carrier protein like 0.1% BSA)

**Applications:** Antigen in ELISA and Western blots, excellent antigen for detection of HIV seroconvertors with minimal specificity problems.

**Description:** Recombinant HIV-1 p55 gag is glycosylated with N-linked sugars and produced in insect cells. Recombinant HIV-1 p55 is purified by proprietary chromatographic technique.

**Background:** HIV belongs to the retrovirus family, distinguished by possession of a viral reverse transcriptase that transcribes viral RNA into DNA which is integrated into the host-cell genome. p55 is a precursor protein, which is processed to p17 (matrix), p24 (capsid), p7 (nucleocapsid), and p6 proteins by the viral protease. It is called 'assemblin' to indicate its role in viral assembly.

**Specificity:** Immunoreactive with sera of HIV-infected individuals.

**Selected References:**


