

Product datasheet for **BIN070**

HIV-1 (Gag Capsid protein p24) Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HIV-1 Gag Capsid protein p24 recombinant protein, 0.5 mg
Expression Host:	E. coli
Concentration:	lot specific
Purity:	>95 % pure (SDS-PAGE) (Bradford et al.)
Buffer:	Presentation State: Purified State: Liquid purified fraction., Buffer System: 8 M Urea, 20 mM Tris-HCl, pH 8.0; 10 mM Beta-mercaptoethanol, containing no preservatives
Preparation:	Liquid purified fraction.,
Applications:	Suitable in ELISA, Western blot, Colloidal Gold and Latex Beads.
Protein Description:	Human Immunodeficiency Virus Type 1 (HIV-1) gag p24 Antigen, (amino acids 77-436) strain IIIIB, recombinant. a.a 77 to a.a 436 of the HIV-I gag p24 region. 39kDa with Beta-galactosidase (114 kDa) fused at the N-terminus. Reacts strongly with HIV positive serum.
Storage:	Store the antigen at 2-8°C for one month or (in aliquots) at -20°C for longer. Do not freeze working dilutions Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Synonyms:	HIV1, HIV-I, Human immunodeficiency virus type 1
Summary:	HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups : the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.
Protein Families:	Suitable in ELISA, Western blot, Colloidal Gold and Latex Beads.



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