9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HIV-1 GAG

HIV-1 GAG Full Length Recombinant
VAG0304

Product Overview

Name	HIV-1 GAG
Description	
HIV-1 GAG Full Length Recombinant	
Accession (Primary)	AAD39400
Introduction	
Human immunodeficiency virus (HIV) is a retrovirus which may lead to a immune systembegins failure and to opportunistic infections. HIV primarily infects vital cells in the human immune system such as helper T cells (specifically CD4+ T cells), macrophages and dendritic cells. The Gag protein is the major structural protein required for virus assembly. It is synthesizedas a polyprotein in the cytosol of an infected cell and contains 4 functional segments. Gag alone is sufficient to produce buddingvirus-like particles (VLP's) due to multimerization of roughly 2000 Gag molecules per virion.The Gag proteins take part throughout the viral life-cycle, including the assembly and release of viral particles, theirsubsequent maturation into infectious virions, and during the events occurring between therelease of capsids into newly infected cells and the integration of proviral DNA.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized with 1% glycerol.	
Stability	
Lyophilized HIV-1 GAG although stable at room temperature for 1 week, should be stored desiccated below -18°C. Upon reconstitution HIV-1 GAG should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 78.0% as determined by SDS-PAGE.	
Solubility	
It is recommended to reconstitute the lyophilized HIV-1 GAG in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Applications

Western Blotting, SDS Page

Precautions

HIV-1 GAG is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (AAD39400)