abcam

Product datasheet

Recombinant HIV1 Gag protein ab109969

1 References　画像数 1

製品の詳細

製品名	Recombinant HIV1 Gag protein
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	Q9WPY4
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
予測される分子量	57 kDa
領域	1 to 508

特性

Our **Abpromise guarantee** covers the use of **ab109969** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Western blot
	SDS-PAGE
製品の状態	Lyophilized

前処理および保存

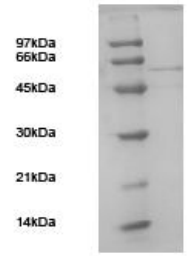
保存方法および安定性	Shipped at 4°C. Store at -80°C.
	Constituent: 1% Glycerol
再構成	The protein should be reconstituted in apirogenic sterile water or PBS buffer. The reconstituted solution has to be used immediately. (Avoid repeated freeze/thaw cycles).

関連情報

関連性	The Gag protein is the major structural protein required for virus assembly. It is synthesized as a polyprotein in the cytosol of an infected cell, and contains four functional segments; Matrix (MA),

Capsid (CA), Nucleocapsid (NC), and p6. The NC region is flanked by two "spacer" segments, denoted SP1 and SP2. The polyprotein is all alpha helical, except the NC region, which is composed of two RNA interacting zinc knuckle domains. Gag is often referred to as an "assembly machine" because expression of Gag alone is sufficient to produce budding virus-like particles (VLP's), due to multimerization of roughly 2000 Gag molecules per virion. Gag is cleaved by the protease at multiple sites. The GAG proteins play important roles throughout the viral life-cycle, including the assembly and release of viral particles, their subsequent maturation into infectious virions, and during the events occurring between the release of capsids into newly infected cells and the integration of proviral DNA. During the early steps of the viral life cycle, viral proteins, especially capsid (CA), are in intimate contact with the intracellular environment. Considerable evidence supports the idea that interactions between host cellular proteins and the viral capsid are important for events occurring early in infection, such as the transport of the preintegration complex, uncoating of the capsid, nuclear entry, and integration Gag capsid (CA) protein can markedly reduce viral fitness, and interactions of CA with host proteins such as cyclophilin A (CypA) and TRIM5alpha can have important effects on viral infectivity.

画像



SDS-PAGE - Recombinant HIV1 Gag protein (ab109969)

ab109969 is >90% pure estimated by SDS-PAGE.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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