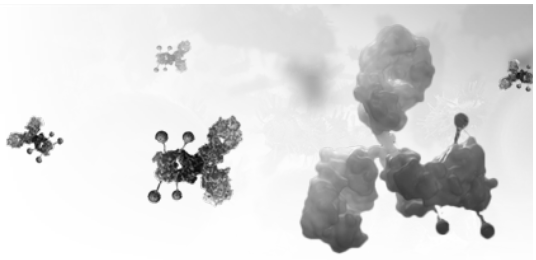

Biotinylated Recombinant HIV-1 gp120 Protein [His,Avi] (DAGC296)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Biotinylated HIV-1 [HIV-1/Clade B/C (CN54)] GP120, His,Avitag derived from the env. gene of HIV-1 strain CN54 gp160 (Accession # G4XFJ5-1 (E46G, T396A, A497T), Thr 36 - Arg 507) and glycosylated with N-linked sugars and expressed in HEK293 cells.
Species	HIV
Purity	>95% as determined by SDS-PAGE.
Conjugate	Biotin,His,Avi
Applications	ELISA
Predicted N terminal	Thr 36
Molecular Weight	56.7 kDa
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Format	Lyophilized
Size	25 μg, 200 μg
Buffer	PBS, pH7.4 wit 10% trehalose
Preservative	None
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Introduction	The HIV-1 gp120 envelope protein, a glycoprotein that is part of the outer layer of the virus, which is an essential component in the multi-tiered viral entry process. It presents itself as viral membrane spikes consisting of 3 molecules of gp120 linked together and anchored to the membrane by gp41 protein. Gp120 is essential for viral infection as it facilitates HIV entry into the host cell and this is its best-known and most researched role in HIV infection. However, it is becoming increasingly evident that gp12 might also be facilitating viral persistence and continuing HIV infection by influencing the T cell immune response to the virus. The surface protein gp120 attaches the virus to the host lymphoid cell by binding to the primary receptor CD4.
Keywords	HIV gp120; HIV-1 gp120; HIV1 gp120; gp120

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