



Recombinant HIV type 1 gp41 (a.a. 466-753) [Biotin, BGAL] (DAG1526)

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

PRODUCT INFORMATION

Product Overview	HIV-1 gp41 Biotin labeled is a non-glycosylated polypeptide chain, containing 288 amino acids (466-753 a.a.) and having a Mw of 32kDa. HIV1 gp41 biotin labeled is fused to a 114kDa beta-galactosidase tag at N-terminus having a total Mw of 146kDa.
Specificity	Reacts with Human HIV positive serum.
Species	HIV
Purity	Greater than 95.0% as determined by SDS-PAGE.
Conjugate	Biotin
Format	Liquid
Concentration	1 mg/ml
Size	100 µg
Buffer	20mM Tris-HCl pH-8, 10mM B-ME and 8M urea
Preservative	None
Storage	HIV-1 gp41 Biotin although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

BACKGROUND

Introduction	The HIV-1 envelope (Env) glycoproteins play an essential role in the virus replication cycle by mediating the fusion between viral and cellular membranes during the entry process. The Env
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glycoproteins are synthesized as a polyprotein precursor, gp160, that is cleaved by cellular proteases to the mature surface glycoprotein gp120 and the transmembrane glycoprotein gp41. During virus assembly the gp120/gp41 complex is incorporated as heterotrimeric spikes into the lipid bilayer of nascent virions.

Keywords

Human Immunodeficiency Virus; HIV gp41; HIV; HIV-1 gp41; HIV-1; HIV type 1 gp41
