



Recombinant HIV type 1 gp41 [HRP, BGAL] (DAG1530)

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

PRODUCT INFORMATION

Product Overview	The E.Coli derived HRP Labeled protein contains the full-length sequence of N-terminal epitopes of HIV-I gp41, 160 amino acids (513-674) immunodominant regions gp41L.
Specificity	Immunoreactive with HIV positive serum.
Species	HIV
Purity	Greater than 95.0% as determined by HPLC analysis and SDS-PAGE.
Conjugate	Beta-galactosidase, HRP
Format	Liquid
Size	100 µg, 500 µg, 1 mg
Buffer	8M urea, 20mM Tris-HCl pH 8.0, 10mM b-mercaptoethanol
Preservative	None
Storage	HIV-1 gp41 HRP 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 glycoproteins are synthesized as a polypeptide 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
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lipid bilayer of nascent virions.

Keywords

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