



# Recombinant HIV type 1 gp41 (subtype O) [BGAL] (DAG462)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Human Immunodeficiency Virus gp41 Type O, Contains a beta-galactosidase fusion partner, was expressed in E. coli, and purified in vitro using conventional chromatography techniques.
<b>Species</b>	HIV
<b>Purity</b>	> 90% pure (SDS-PAGE)
<b>Conjugate</b>	beta-galactosidase
<b>Applications</b>	Suitable for use in ELISA, Western blot and Lateral flow. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Liquid
<b>Concentration</b>	1.0 mg/ml
<b>Buffer</b>	1.5 M Urea, 25 mM Tris-HCl, pH 8.0 containing 50% Glycerol.
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	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 polyprotein precursor, gp160, that is cleaved by cellular
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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.

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**Keywords**

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

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