



# Recombinant HIV type 1 gp140 (A244) (a.a. 44-681) [His] (DAG2132)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	C-terminal 6xHis tagged gp140 (HIV-1/Clade AE)(A244) protein (a.a. 44-681). The same as the Thai trial (RV144) strain. One a.a. difference from 90TH_CM244
<b>Species</b>	HIV
<b>Purity</b>	≥ 95%
<b>Conjugate</b>	His
<b>Applications</b>	WB standard, antibody ELISA, immunogen, etc
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/ml
<b>Size</b>	100 µg, 1 mg
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	Stable for a month at 4°C. For long term storage, split it into small aliquots and keep at -80°C. Avoid repeated freezing and thawing.

## 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 gp140; HIV; HIV-1 gp140; HIV-1; HIV type 1 gp140

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