

Catalog Number: 503197

# **General Information**

#### Gene Name Synonym

Endogenous retrovirus group K member 13-1 Env polyprotein; Endogenous retrovirus group K member 18 Env polyprotein; Endogenous retrovirus group K member 19 Env polyprotein; Endogenous retrovirus group K member 21 Env polyprotein; Endogenous retrovirus group K member 24 Env polyprotein; Endogenous retrovirus group K member 25 Env polyprotein; Endogenous retrovirus group K member 6 Env polyprotein; Endogenous retrovirus group K member 7 Env polyprotein; Endogenous retrovirus group K member 8 Env polyprotein; Endogenous retrovirus group K member 9 Env polyprotein; Envelope glycoprotein gp160

## **Protein Construction**

A DNA sequence encoding the HIV-1 envelope glycoprotein gp160 (ACY40659.1) extracellular domain (Tyr38-Gln684), termed as gp140, was expressed with the Fc region of human IgG1 at the C-terminus.

## Organism

HIV

## **Expression Host**

Human Cells

## **QC Testing**

## Purity

> 85 % as determined by SDS-PAGE.

## Endotoxin

 ${<}1.0$  EU per  $\mu g$  protein as determined by the LAL method.

## Stability

Samples are stable for up to twelve months from

date of receipt at -70°C

## **Predicted N terminal**

Tyr 38

## **Molecular Mass**

The recombinant HIV1 gp140 (group P) consists 885 amino acids and predicts a molecular mass of 99.4 kDa.

## Formulation

Lyophilized from sterile PBS, pH 7.4.1.5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

## **Usage Guide**

## Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## **SDS-PAGE**

KDa	м
212	States
158	
116	
97.2	
66.4	-
55.6	-
42.7	

HIV-1 gp140 Protein (group P, strain RBF168) (Fc



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Tag) SDS-PAGE