HIV HIV gp140 (Fc Tag) recombinant protein

NovoPro

Catalog Number: 503075

General Information

Gene Name Synonym

Endogenous retrovirus group K member 113 Env polyprotein; 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 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 (AAC97548.1) extracellular domain (Leu33-Lys659), 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

> 95 % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per μg protein as determined by the LAL method.

Stability

Samples are stable for up to twelve months from

date of receipt at -70℃

Predicted N terminal

Leu 33

Molecular Mass

The recombinant HIV1 gp140(subtype A) consists 865 amino acids and predicts a molecular mass of 97.4 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.
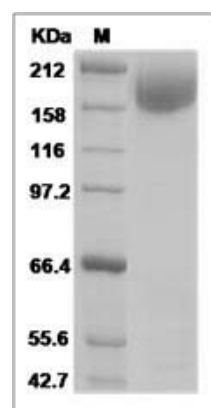
Usage Guide

Storage

Store it under sterile conditions at -20℃ to -80℃. 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

HIV-1 gp140 Protein (group M, subtype A, strain

92UG037.1) (Fc Tag) SDS-PAGE