

## 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 24 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 Simian immunodeficiency virus (isolate 216.94.A2) (ADN41251.1) (Ile20-Arg528) was expressed with a polyhistidine tag at the C-terminus.

### Organism

SIV

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % 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°C

### Predicted N terminal

Ile 20

### Molecular Mass

The recombinant Simian immunodeficiency virus (isolate 216.94.A2) consists 520 amino acids and predicts a molecular mass of 60 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

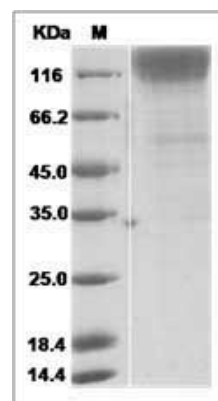
### Storage

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



Simian immunodeficiency virus (SIV) (isolate 216.94.A2) gp120 Protein (His Tag)