

## 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 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 HIV1(group M, subtype B, strain SHIV-89.6P) Envelope glycoprotein gp160 Protein(gp120 subunit) (AAC57427.1) (Thr31-Arg509) was expressed with a polyhistidine tag at the C-terminus.

### Organism

HIV

### Expression Host

Human Cells

## QC Testing

### Purity

> (83.7+6.7)% 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

Thr 31

### Molecular Mass

The recombinant Human immunodeficiency virus 1(group M, subtype B, strain SHIV-89.6P) ENV consists 490 amino acids and predicts a molecular mass of 55.4 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

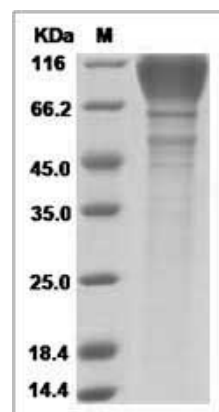
### Storage

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



# HIV HIV gp120 (His Tag) recombinant protein



Catalog Number: 500579

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HIV-1 (group M, subtype B, strain SHIV-89.6P)

gp120 Protein (His Tag)