

## Recombinant HIV2 gp120 Protein, His-tagged

**Cat. No.** HIV2gp120-109H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length HIV2 gp120 (amino acid 23-501) (isolate NIH-Z) protein with His tag was expressed in 293 cell line.
<b>Species</b>	HIV2
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-501 a.a.
<b>Description</b>	Envelope glycoprotein GP120 (or gp120) is a glycoprotein exposed on the surface of the HIV envelope. The 120 in its name comes from its molecular weight of 120. Gp120 is essential for virus entry into cells as it plays a vital role in attachment to specific cell surface receptors. These receptors are DC-SIGN, Heparan Sulfate Proteoglycan and a specific interaction with the CD4 receptor, particularly on helper T-cells. Binding to CD4 induces the start of a cascade of conformational changes in gp120 and gp41 that lead to the fusion of the viral with the host cell membrane. Binding to CD4 is mainly electrostatic although there are van der Waals interactions and hydrogen bonds.
<b>Purity</b>	≥ 95% purity (SDS PAGE)
<b>Applications</b>	Western blot standard, antibody ELISA, immunogen, etc.
<b>Storage</b>	Store at -20 centigrade; Stable for 3 months from the date of shipment when kept at 4 centigrade. Non-hazardous. No MSDS required.

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<b>Concentration</b>	1 mg/mL
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<b>Storage Buffer</b>	PBS
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<b>Full Length</b>	Full L.
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## GENE INFORMATION

<b>UniProt ID</b>	P05883
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### SDS-PAGE



Purified HIV-2 gp120 protein (NIH-Z)

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