

Recombinant HIV-1 GP120, His-tagged

Cat. No. GP120-5227H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 GP120 Protein (HIV-1 /Clade B/C (CN54)) (rCN54 /GP120) derived from the env. gene of HIV-1 strain CN54 gp160 (Thr27-Arg498) and glycosylated with N-linked sugars and expressed in HEK293 cells
Species	HIV
Source	HEK293
Description	Human Immunodeficiency Virus (HIV) can be divided into two major types, HIV type 1 (HIV-1) and HIV type 2 (HIV-2). HIV-1 is related to viruses found in chimpanzees and gorillas living in western Africa. HIV-2 is related to viruses found in sooty mangabeys. HIV-1 viruses may be further divided into groups. The HIV-1 group M viruses predominate and are responsible for the AIDS pandemic. Some of the HIV-1 group M subtypes are known to be more virulent or are resistant to different medications. HIV-2 viruses are thought to be less virulent and transmissible than HIV-1 M group viruses.
Predicted N Terminal	Thr27
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization
Molecular Mass	53.8 kDa. DTT-reduced protein migrates as 80-110 kDa protein due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the or rCN54 /GP120 by the LAL method.

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Purity	>97% purity as determined by SDS-PAGE of reduced rCN54 /GP120.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC-8oC); After reconstitution under sterile conditions for 1 month (4oC-8oC) or 3 months (-20oC to -70oC).

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