

envelope glycoprotein gp160 Protein, HIV-1 (AAT67478, HEK293, His)

Cat. No.:	HY-P74885
Synonyms:	HIV-1 (group M, subtype A, isolate 92RW020) Envelope glycoprotein gp160 Protein (gp120 subunit) (His)
Species:	Virus
Source:	HEK293
Accession:	AAT67478 (E31-R494)
Gene ID:	/
Molecular Weight:	Approximately 52.2 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	gp160 is an envelope glycoprotein that oligomerizes into major trimers in the host endoplasmic reticulum. gp160 is transported in the host Golgi apparatus to complete the glycosylation process. The precursor is proteolytically cleaved in the trans-Golgi apparatus and thus activated by cellular furin or Furin-like proteases to produce surface gp120 and transmembrane protein gp41. The sequential binding of gp120 to receptors (CD4) and co-receptors (such as CCR5 or CXCR4) triggers large conformational changes in gp120 and gp41, leading to fusion and viral entry ^{[1][2]} .
------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA