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## Product Datasheet

### Recombinant HIV gp120 (C-8His) EBT-EPT033

Article Name	Recombinant HIV gp120 (C-8His)
Biozol Catalog Number	EBT-EPT033
Supplier Catalog Number	EPT033
Alternative Catalog Number	EBT-EPT033-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant HIV 1 Envelope Glycoprotein Gp120 is produced by our Mammalian expression system and the target gene encoding Met1-Glu498 is expressed with a 8His tag at the C-terminus....
Molecular Weight	Molecular weight: 57 KDa. Apparent molecular weight: 90-140 KDa, reducing conditions
UniProt	<a href="#">Q9DKG6</a>
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Envelope glycoprotein gp160 is single-pass type I membrane protein. The mature envelope protein (Env) consists of a homotrimer of non-covalently associated gp120-gp41 heterodimers. It is cleaved into the following 2 chains: glycoprotein 120 and transmembrane protein gp41. The resulting complex protrudes from the virus surface as a spike. The 17 amino acids long immunosuppressive region is present in many retroviral envelope proteins. Synthetic peptides derived from this relatively conserved sequence inhibit immune function in vitro and in vivo