

HIV gp120 (421-438)

Cat. No.:	HY-P10252
CAS No.:	129318-38-3
Molecular Formula:	C ₉₉ H ₁₄₈ N ₂₄ O ₂₅ S ₂
Molecular Weight:	2138.51
Sequence:	Lys-Gln-Phe-Ile-Asn-Met-Trp-Gln-Glu-Val-Gly-Lys-Ala-Met-Tyr-Ala-Pro-Pro
Sequence Shortening:	KQFINMWQEVGKAMYAPP
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	HIV gp120 421-438 is HIV antigen fragments, that conjugates with keyhole limpet hemocyanin (KLH) and generates specific anti-HIV antibody ^[1] .								
In Vivo	<p>HIV gp120 421-438 (1 μmol, i.m., single dose) induces immune response in egg yolks from layer hens, conjugated with keyhole limpet hemocyanin (KLH)^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Vaccinated layer hens^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1 μmol</td> </tr> <tr> <td>Administration:</td> <td>i.m., single dose</td> </tr> <tr> <td>Result:</td> <td>Produced more titre of specific antibodies in the egg yolk of immunized chickens.</td> </tr> </table>	Animal Model:	Vaccinated layer hens ^[1]	Dosage:	1 μmol	Administration:	i.m., single dose	Result:	Produced more titre of specific antibodies in the egg yolk of immunized chickens.
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REFERENCES

[1]. Justiz-Vaillant A, et al., In vivo administration of anti-HIV hyper-immune eggs induces anti-anti-idiotypic antibodies against HIV gp120 peptides (fragments 308-331 and 421-438) and against HIV gp41 peptide (fragment 579-601) which have demonstrable protective capacity[J]. bioRxiv, 2021: 2021.05. 02.442298.

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

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