

Fusion glycoprotein (92-106)

Cat. No.:	HY-P10245
CAS No.:	406477-46-1
Molecular Formula:	C ₇₃ H ₁₂₄ N ₂₂ O ₂₅ S
Molecular Weight:	1741.96
Sequence:	Glu-Leu-Gln-Leu-Leu-Met-Gln-Ser-Thr-Pro-Pro-Thr-Asn-Asn-Arg
Sequence Shortening:	ELQLMQSTPPTNNR
Target:	RSV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Fusion glycoprotein 92-106 is a polypeptide from fusion protein of respiratory syncytial virus (RSV). Fusion glycoprotein 92-106 acts as MHC class I-restricted CTL epitope, that all 15 amino acids are required for efficient recognition by cytotoxic T lymphocyte (CTL) ^[1] .	
In Vitro	Fusion glycoprotein 92-106 forms the Kd heavy chain and β2-microglobulin complex ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Fusion glycoprotein 92-106 (100 μg, sc, twice a week for 3 weeks) induces a protective immune responses against RSV infection in BALB/c mice model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	RSV infected BASLB/c mice model ^[1]
	Dosage:	100 μg
	Administration:	sc, twice a week
	Result:	Promoted the differentiation of CD8 ⁺ , MHC class I-restricted CTL. Decreased the virus titre after RSV infection.

REFERENCES

[1]. Jiang S, et al., Virus-specific CTL responses induced by an H-2K(d)-restricted, motif-negative 15-mer peptide from the fusion protein of respiratory syncytial virus. J Gen Virol. 2002 Feb;83(Pt 2):429-438.

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