

Supplementary data

Investigation of the effect of Exendin-4 on oleic acid-induced steatosis in HepG2 cells using Fourier Transform Infrared Spectroscopy

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Supplementary Table S1: The spectral assignments and protein components with their assigned wavelength in IR region.

Infrared band	Integrated spectral range (cm ⁻¹)
Lipid Components	
CH ₂ symmetric stretching	2852–2800
CH ₂ asymmetric stretching	2915–2930
CH ₃ asymmetric stretching	2950–2960
*C-H stretching	2994–2800
Olefin =CH	3000–3027
Carbonyl ester (C=O) stretching	1745–1731
Protein Components	
Amide I	1700–1600
Amide II	1555–1535
Amide III	1350–1200
Amide I Secondary structure (1700–1600)	
α helix	1660–1650
Random coil	1645–1630
Parallel β-sheet	1610–1635
Beta- shoulder (1665–1695)	
β -turn	1680
Anti-parallel β-sheet	1695

* Total lipid region