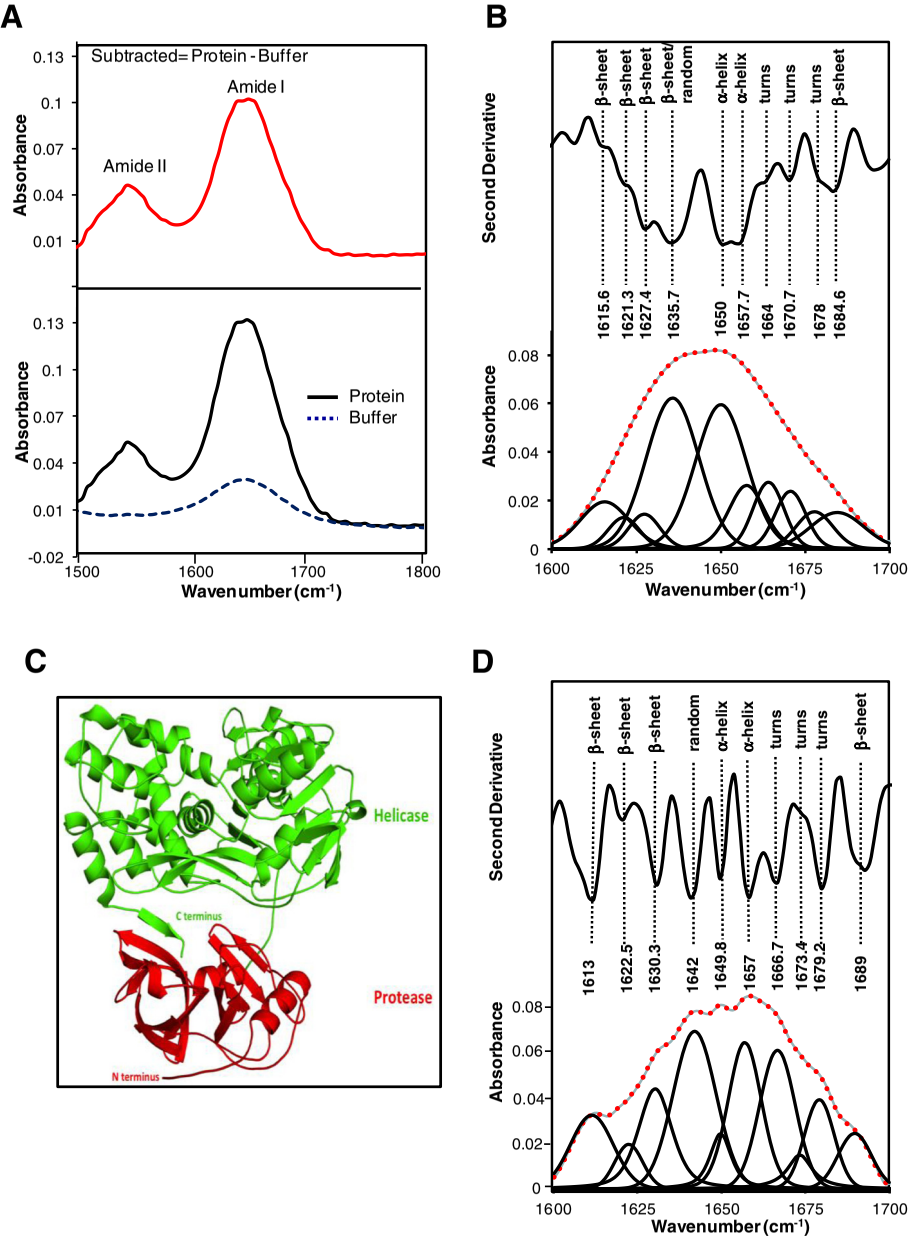
A
Subtracted= Protein - Buffer
Amide I
Amide II
Absorbance
0.13
0.1
0.07
0.04
0.01
-0.02
Protein
Buffer
1500
1600
1700
1800
Wavenumber (cm-1)
B
Second Derivative
β-sheet
β-sheet
β-sheet
β-sheet/ random
α-helix
α-helix
turns
turns
turns
β-sheet
1615.6
1621.3
1627.4
1635.7
1650
1657.7
1664
1670.7
1678
1684.6
Absorbance
0.08
0.06
0.04
0.02
0
1600
1625
1650
1675
1700
Wavenumber (cm-1)
C
Helicase
C terminus
Protease
N terminus
D
Second Derivative
β-sheet
β-sheet
β-sheet
random
α-helix
α-helix
turns
turns
turns
β-sheet
1613
1622.5
1630.3
1642
1649.8
1657
1666.7
1673.4
1679.2
1689
Absorbance
0.08
0.06
0.04
0.02
0
1600
1625
1650
1675
1700
Wavenumber (cm-1)