

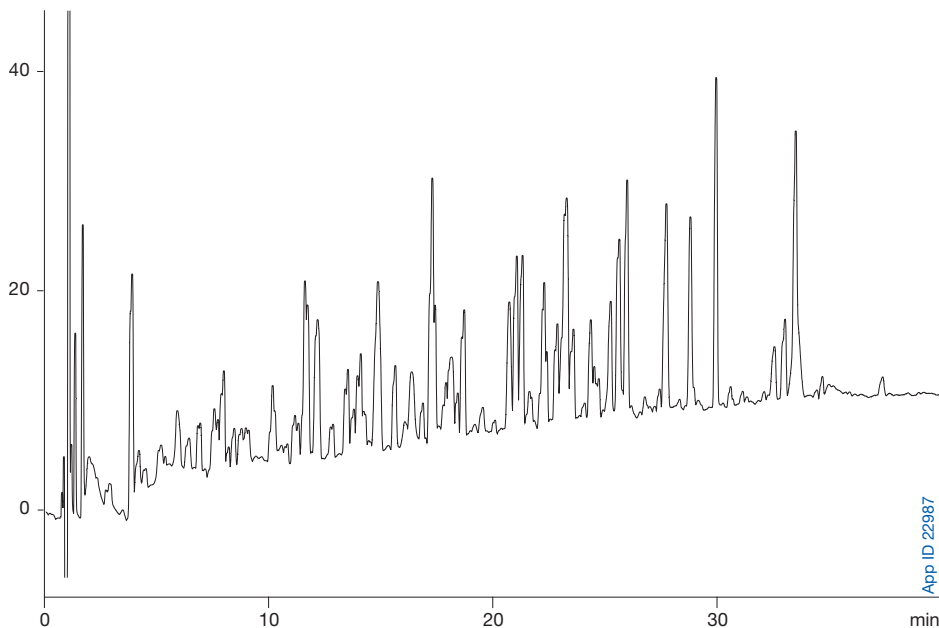
APPLICATION

Digested Phosphorylase β Peptide Map using Kinetex® EVO C18 Core-Shell LC Column

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Overview

Peptide mapping is a common technique used to characterize proteins by analyzing the elution pattern of peptide fragments. Once a protein is digested, it is analyzed via HPLC using either UV or MS detection. The greater the resolution of the digested protein's peptide-fragments, the more accurately the protein can be characterized. By utilizing the powerful combination of a unique LC selectivity alongside the performance gains of a core-shell particle, better identification and quantitation of low level peptides can happen. As shown below, the high-efficiency core-shell Kinetex EVO C18 results in narrow peak-shape allowing for highly-accurate peptide mapping.

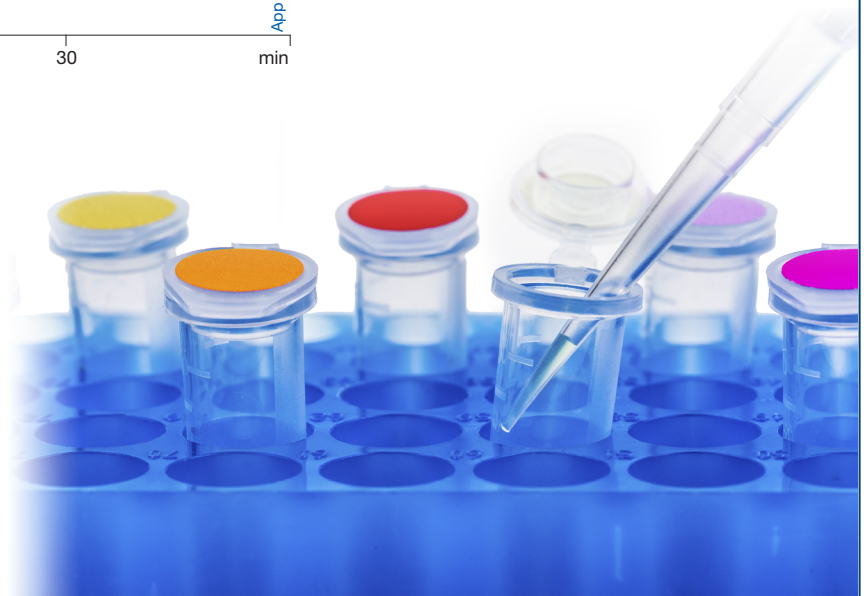


LC/UV Conditions

Column: Kinetex 2.6 μ m EVO C18
Dimensions: 150 x 4.6 mm
Part No.: 00F-4725-E0
Mobile Phase: A: 0.1% TFA w/ 2% Acetonitrile in Water
B: 0.1% TFA / Acetonitrile (10:90)
Gradient:

Time (min)	% B
0	2
68	70

Flow Rate: 1.5 mL/min
Temperature: 60 °C
Detection: UV @ 214 nm (ambient)
Sample: Phosphorylase β tryptic digest



APPLICATION

Kinetex® EVO C18 Ordering Information

5 µm Minibore Columns (mm)				SecurityGuard™ ULTRA Cartridges†
30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	3/pk
00A-4633-AN	00B-4633-AN	00D-4633-AN	00F-4633-AN	AJO-9298
for 2.1 mm ID				

5 µm MidBore™ Columns (mm)			SecurityGuard™ ULTRA Cartridges†
50 x 3.0	100 x 3.0	150 x 3.0	3/pk
00B-4633-YO	00D-4633-YO	00F-4633-YO	AJO-9297
for 3.0 mm ID			

5 µm Analytical Columns (mm)				SecurityGuard™ ULTRA Cartridges†
50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	3/pk
00B-4633-E0	00D-4633-E0	00F-4633-E0	00G-4633-E0	AJO-9296
for 4.6 mm ID				

2.6 µm Minibore Columns (mm)				SecurityGuard™ ULTRA Cartridges†
30 x 2.1	50 x 2.1	100 x 2.1	150 x 2.1	3/pk
00A-4725-AN	00B-4725-AN	00D-4725-AN	00F-4725-AN	AJO-9298
for 2.1 mm ID				

2.6 µm MidBore™ Columns (mm)			SecurityGuard™ ULTRA Cartridges†
50 x 3.0	100 x 3.0	150 x 3.0	3/pk
00B-4725-YO	00D-4725-YO	00F-4725-YO	AJO-9297
for 3.0 mm ID			

2.6 µm Analytical Columns (mm)			SecurityGuard™ ULTRA Cartridges†
50 x 4.6	100 x 4.6	150 x 4.6	3/pk
00B-4725-E0	00D-4725-E0	00F-4725-E0	AJO-9296
for 4.6 mm ID			

1.7 µm Minibore Columns (mm)			SecurityGuard™ ULTRA Cartridges†
50 x 2.1	100 x 2.1	150 x 2.1	3/pk
00B-4726-AN	00D-4726-AN	00F-4726-AN	AJO-9298
for 2.1 mm ID			

† SecurityGuard ULTRA Cartridges require holder, Part No.: AJO-9000

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