

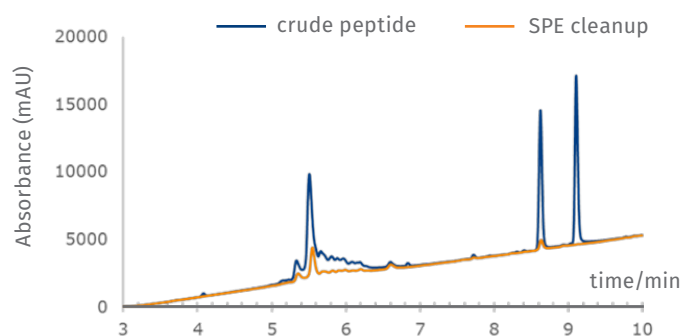


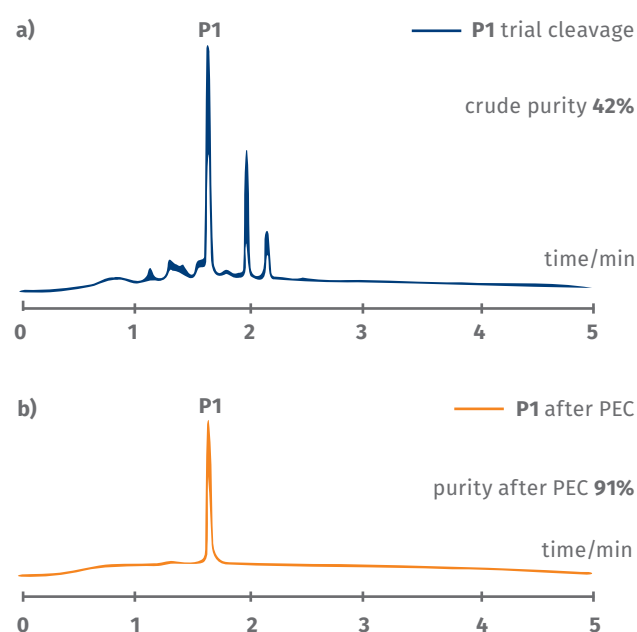
# Choosing the ideal solution

## Comparing Biotage® PeptiRen-96 and Biotage® PeptiPEC-96 for your peptide purification needs

	 Biotage® PeptiRen-96	 Biotage® PeptiPEC-96
<b>Technique</b>	C18-based solid-phase extraction (SPE)	Catch-and-release methodology based on a novel linker molecule and activated filter material
<b>Type of peptides</b>	Any, for example: linear, side-chain cyclized and head-to-tail cyclic peptides	Requires a free amino terminus, for example: linear, side-chain cyclized peptides
<b>Loading capacity</b>	1-15 mg crude sample per well	10 µmol sample per well
<b>Purity (UV) requirement</b>	>60% average purity – Removes disruptive by-products: salts, side chain protecting groups	>80% average purity – Removes peptidic impurities: truncation and deletion sequences
<b>Method run time for 96 peptides</b>	~1.55 h	~13.5 h
<b>Synthesis modifications</b>	None	Capping required after each coupling reaction
<b>Method development</b>	Optional, based on sample properties	None



**Figure 1.** Crude peptide mixture cleaned up using Biotage® PeptiRen-96. The major peak (~5.5 min) is a 37-mer peptide, other significant peaks are residual protecting groups.



**Figure 2.** Analytical HPLC chromatograms showing a) P1 19-mer crude peptide and b) P1 19-mer peptide after PEC purification.

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