

# PE-04ACO95-P

## Cofilin 1 (137-143) pY140 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Cofilin 1



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Cofilin-1, non-muscle isoform
<b>Name Alias:</b>	CFL; CFL1; COF1; cofilin 1 (non-muscle); Cofilin-1; p18
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P23528

### Peptide Structure

<b>Peptide Name:</b>	Cofilin 1 (137-143) pY140
<b>Peptide Origin:</b>	Near the end of the Cofilin_ADF domain. This is the major in vivo phosphorylation site in Cofilin 1.
<b>Peptide Sequence Location:</b>	A137-V143
<b>Peptide Sequence:</b>	ANC(pY)EEV(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1081.0
<b>Observed Peptide Mass:</b>	1079.1
<b>% Peptide Purity:</b>	94.1
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAT-12
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 1 year at -20 °C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the Cofilin 1-pY140 rabbit polyclonal antibody (Cat. No.: PN506) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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