

# PE-04ACQ90-P

## EEF1A1 (138-144) pY141 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on EEF1A1



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Eukaryotic elongation factor 1-alpha 1
<b>Name Alias:</b>	CCS-3; CCS3; cervical cancer suppressor 3; CTCL tumour antigen; EEF-1; EEF1A; eEF1A-1; EEF1A1; EF-1-alpha-1; EF-Tu; EF1A; EF1a-like protein; EF1A1; elongation factor 1 alpha subunit; Elongation factor 1-alpha 1; Elongation factor Tu; Eukaryotic elongation factor 1 A-1; eukaryotic translation elongation factor 1 alpha 1; eukaryotic translation elongation factor 1 alpha 1-like 14; FLJ25721; glucocorticoid receptor AF-1 specific elongation factor; GRAF-1EF; HNGC:16303; LENG7; leukocyte receptor cluster (LRC) member 7; Leukocyte receptor cluster member 7; MGC102687; MGC131894; MGC16224; prostate tumour-inducing protein 1; PT11; translation elongation factor 1 alpha 1-like 14
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P68104

### Peptide Structure

<b>Peptide Name:</b>	EEF1A1 (138-144) pY141
<b>Peptide Origin:</b>	In the middle of the GTP_EFTU domain. This is the second major in vivo phosphorylation site in EEF1A1.
<b>Peptide Sequence Location:</b>	L138-G144
<b>Peptide Sequence:</b>	LLA(pY)TLG(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>	1004.1
<b>Observed Peptide Mass:</b>	1002.3
<b>% Peptide Purity:</b>	90.7
<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-14
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

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### Applications

#### Product Use:

Serves as a blocking peptide for use with the EEF1A1-pY141 rabbit polyclonal antibody (Cat. No.: PN509) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)