

# PE-04AQZ85-P

## EEF1A1 (155-165) pT158+pS162 Peptide Powder

13-mer immunogen and phosphatase substrate phosphopeptide based on EEF1A1



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### 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 (155-165) pT158+pS162
<b>Peptide Origin:</b>	In the first GTP_EFTU domain.
<b>Peptide Sequence Location:</b>	M155-K165
<b>Peptide Sequence:</b>	MDS(pT)EPPY(pS)QK(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>	1615.5
<b>Observed Peptide Mass:</b>	1615.1
<b>% Peptide Purity:</b>	84.5
<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>	KMP04CAY-09
<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 EEF1A1-pT158+pS162 rabbit polyclonal antibody (Cat. No.: PN554) 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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