

PE-04AME99-P

ErbB4 (730-736) pY733 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ErbB4 (HER4)



KINEXUS

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Target Protein

Name Long:	ErbB4 receptor-tyrosine kinase
Name Alias:	HER4; Kinase ErbB4; P180erbB4; P180-erbB4; V-erb-a erythroblastic leukemia viral oncogene 4; MGC138404; CCDS2394.1; ENSG00000178568
Species Origin:	Human
UniProt ID:	Q15303

Peptide Structure

Peptide Name:	ErbB4 (730-736) pY733
Peptide Origin:	In the region between the transmembrane and kinase catalytic domains. The major in vivo site of phosphorylation in ErbB4.
Peptide Sequence Location:	G730-I736
Peptide Sequence:	GTV(pY)KGI(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	990.1
Observed Peptide Mass:	989.2
% Peptide Purity:	99.4
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAX-17
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the ErbB4-pY733 rabbit polyclonal antibody (Cat. No.: PK619) 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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