

# PE-01BHG95-P

## ErbBSubtide Peptide Powder

13-mer kinase substrate peptide for assaying ErbB2 (HER2, Neu)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	ErbB2 (Neu) receptor-tyrosine kinase
<b>Name Alias:</b>	CD340; C-erbB-2; Epidermal growth factor receptor-related protein; ErbB2; HER2; HER-2; Kinase ErbB2; MLN 19; V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); TKR1; hCG_28177; ENSG00000141736; Q9NP09; Q9UK79
<b>UniProt ID:</b>	P04626

### Peptide Structure

<b>Peptide Name:</b>	ErbBSubtide
<b>Peptide Origin:</b>	Developed by Kinexus based on alignment of known substrates and Kinexus Kinase Substrate Predictor v2.0 algorithm.
<b>Peptide Sequence Location:</b>	Not applicable
<b>Peptide Sequence:</b>	KKAENPEYLNQGC
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1564.7
<b>Observed Peptide Mass:</b>	1562.4
<b>% Peptide Purity:</b>	96.7
<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>	KMP01CAR-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>	For assaying the phosphotransferase activity of ErbB2 (Neu) receptor-tyrosine kinase (UniProt ID P04626).
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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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