

# PE-04AUY01-S

## EIF2AK1 (493-499) pT493+pY496 Peptide Solution

7-mer immunogen and phosphatase substrate phosphopeptide based on HRI



**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 translation initiation factor 2-alpha kinase 1
<b>Name Alias:</b>	EIF2AK1; HCR; Heme-controlled repressor;heme-regulated inhibitor; Hemin-sensitive initiation factor-2 alpha kinase
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9BQI3

### Peptide Structure

<b>Peptide Name:</b>	EIF2AK1 (493-499) pT493+pY496
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	T493-P499
<b>Peptide Sequence:</b>	(pT)CL(pY)ASP
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>% Peptide Purity:</b>	Spot
<b>Peptide Appearance:</b>	Clear liquid
<b>Peptide Form:</b>	Solution
<b>Peptide Solubility:</b>	Supplied at 1 mg/ml concentration in 5% DMSO in water
<b>Lot Number:</b>	KMP04CAH-71
<b>Amount:</b>	250 µg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 6 months at -20 °C and 1 mg/ml concentration

### Applications

<b>Product Use:</b>	This phosphopeptide may 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)