

PE-04AUW01-S

EIF2AK1 (483-490) pT486+pT488+pS489 Peptide Solution

8-mer immunogen and phosphatase substrate phosphopeptide based on HRI



KINEXUS

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Target Protein

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

Peptide Structure

Peptide Name:	EIF2AK1 (483-490) pT486+pT488+pS489
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	R483-R490
Peptide Sequence:	RTP(pT)H(pT)(pS)R
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
% Peptide Purity:	Spot
Peptide Appearance:	Clear liquid
Peptide Form:	Solution
Peptide Solubility:	Supplied at 1 mg/ml concentration in 5% DMSO in water
Lot Number:	KMP04CAH-69
Amount:	250 µg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 6 months at -20 °C and 1 mg/ml concentration

Applications

Product Use:	This phosphopeptide may 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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