PE-04AUX01-S

EIF2AK1 (489-495) pS489+pT493 Peptide Solution

7-mer immunogen and phosphatase substrate phosphopeptide based on HRI

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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 (489-495) pS489+pT493
Peptide Origin:	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Sequence Location:	S489-L495
Peptide Sequence:	(pS)RVG(pT)CL
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-70
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.