PE-04ANF95-P

KSR2 (487-493) pS490 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Ksr2

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Target Protein

Name Long:	Kinase suppressor of Ras 2
Name Alias:	FLJ25965; AC026678_EPK
Species Origin:	Human
UniProt ID:	Q6VAB6

Peptide Structure

Peptide Name:	KSR2 (487-493) pS490
Peptide Origin:	In the region between the KSR1-SAM and kinase catalytic domains. This is the major in vivo phosphorylation site in Krs2.
Peptide Sequence Location:	P487-H493
Peptide Sequence:	PRY(pS)DLH(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:	1140.2
Observed Peptide Mass:	1139.8
% Peptide Purity:	92.64
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-43
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the Ksr2-pS490 rabbit polyclonal antibody (Cat. No.: PK676) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.