

PE-04AEO99-P

VAV1 (823-829) pY826 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on VAV1



KINEXUS

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Target Protein

Name Long:	Vav 1 guanine nucleotide exchange factor
Name Alias:	VAV; vav 1 guanine nucleotide exchange factor; Vav proto-oncogene
Species Origin:	Human
UniProt ID:	P15498

Peptide Structure

Peptide Name:	VAV1 (823-829) pY826
Peptide Origin:	In the SH3_1 domain
Peptide Sequence Location:	G823-V829
Peptide Sequence:	GEI(pY)GRV(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:	1046.1
Observed Peptide Mass:	1044.5
% Peptide Purity:	99.5
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:	KMP04CAU-20
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the VAV1-pY826 rabbit polyclonal antibody (Cat. No.: PN543) that is also available from Kinexus. This phosphopeptide may also 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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