PE-04AMJ99-P

FLT3 (839-845) pY842 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Flt3 (STK1)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Fetal liver fms-related tyrosine kinase 3; Receptor-type tyrosine-protein kinase FLT3
Name Alias:	CD135; Fetal liver kinase 2; FL cytokine receptor; FLK2; FLK-2; FLT-3; Fms-related tyrosine kinase 3; Kinase Flt3; STK-1; RP11-153M24_3; CD135; STK1; FLK2; ENSG00000122025
Species Origin:	Human
UniProt ID:	P36888

Peptide Structure

Peptide Name:	FLT3 (839-845) pY842
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	D839-R845
Peptide Sequence:	DSN(pY)VVR(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:	1105.1
Observed Peptide Mass:	1105.2
% Peptide Purity:	100
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-22
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 Flt3-pY842 rabbit polyclonal antibody (Cat. No.: PK640) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.