PE-04AFA99-P

CasL (163-169) pY166 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Cas-L

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Target Protein

Name Long:	Enhancer of filamentation 1
Name Alias:	NEDD9; Neural precursor cell expressed developmentally down-regulated protein 9
Species Origin:	Human
UniProt ID:	Q14511

Peptide Structure

Peptide Name:	CasL (163-169) pY166
Peptide Origin:	In the region between the SH3_9 and Serine_rich domains. This is the second major in vivo phosphorylation site in Cas-L.
Peptide Sequence Location:	G163-P169
Peptide Sequence:	GYV(pY)EYP(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:	1143.1
Observed Peptide Mass:	1143.4
% Peptide Purity:	100.0
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-32
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 Cas-L-pY166 rabbit polyclonal antibody (Cat. No.: PN505) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.