

PE-04AES99-P

SHIP2 (883-889) pY886 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on SHIP2 (INPPL1)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 2
Name Alias:	51C protein; Inositol polyphosphate 5-phosphatase; Inositol polyphosphate phosphatase-like 1; SH2-containing inositol 5-phosphatase 2; SHIP2
Species Origin:	Human
UniProt ID:	O15357

Peptide Structure

Peptide Name:	SHIP2 (883-889) pY886
Peptide Origin:	In the region between the Exo-endo_phos and SHAM_1 domains. This is one of the main in vivo phosphorylation sites in proteins.
Peptide Sequence Location:	E883-I889
Peptide Sequence:	ERL(pY)EWI(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:	1261.3
Observed Peptide Mass:	1261.7
% Peptide Purity:	98.8
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-24
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 SHIP2-pY886 rabbit polyclonal antibody (Cat. No.: PN534) 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)