

# PE-04ADA99-P

## ITSN2 (965-971) pY968 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ITSN2



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### Target Protein

<b>Name Long:</b>	Intersectin-2
<b>Name Alias:</b>	ITSN2; KIAA1256; PRO2015; SH3 domain protein 1B; SH3 domain-containing protein 1B; SH3D1B; SH3P18; SH3P18-like WASP associated protein; SH3P18-like WASP-associated protein; SWA; SWAP
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9NZM3

### Peptide Structure

<b>Peptide Name:</b>	ITSN2 (965-971) pY968
<b>Peptide Origin:</b>	In the insert region that separates the SH3_2 and SH3_1 domains. This is the second major in vivo phosphorylation site in ITSN2.
<b>Peptide Sequence Location:</b>	E965-V971
<b>Peptide Sequence:</b>	EAL(pY)AAV(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	990.0
<b>Observed Peptide Mass:</b>	989.4
<b>% Peptide Purity:</b>	100.0
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAT-25
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20 °C
<b>Storage Stability:</b>	Over 1 year at -20 °C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the ITSN2-pY968 rabbit polyclonal antibody (Cat. No.: PN521) 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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