

# PE-04AEF95-P

## STAM2 (371-377) pY374 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on STAM2



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Signal transducing adapter molecule 2
<b>Name Alias:</b>	DKFZp564C047; HBP; Hrs-binding protein; HSE1 homolog; Signal transducing adapter molecule 2; signal transducing adaptor molecule (SH3 domain and ITAM motif) 2; STAM-2; STAM-like protein containing SH3 and ITAM domains 2; STAM2; STAM2A; STAM2B
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	O75886

### Peptide Structure

<b>Peptide Name:</b>	STAM2 (371-377) pY374
<b>Peptide Origin:</b>	In the C-terminal half of the protein. This is the second major in vivo phosphorylation site in STAM2.
<b>Peptide Sequence Location:</b>	Y371-L377
<b>Peptide Sequence:</b>	YSV(pY)SKL(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>	1112.2
<b>Observed Peptide Mass:</b>	1112.4
<b>% Peptide Purity:</b>	97.4
<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>	KMP04CAU-11
<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 STAM2-pY374 rabbit polyclonal antibody (Cat. No.: PN538) 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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