

# PE-04AEN99-P

## GIT1 (542-548) pY545 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on GIT1



**KINEXUS**

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

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	ARF GTPase-activating protein GIT1
<b>Name Alias:</b>	ARF GAP GIT1; ARF GTPase-activating protein GIT1; CAT-1; CAT1; Cool-associated and tyrosine-phosphorylated protein 1; G protein-coupled receptor kinase interacting ArfGAP 1; G protein-coupled receptor kinase interactor 1; G protein-coupled receptor kinase-interactor 1; GIT1; GRK-interacting protein 1
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9Y2X7

### Peptide Structure

<b>Peptide Name:</b>	GIT1 (542-548) pY545
<b>Peptide Origin:</b>	In the last third of the protein before the GIT1_C domain. This is the major in vivo phosphorylation site in GIT1.
<b>Peptide Sequence Location:</b>	D542-H548
<b>Peptide Sequence:</b>	DAI(pY)SVH(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>	1057.1
<b>Observed Peptide Mass:</b>	1055.8
<b>% Peptide Purity:</b>	99.4
<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-19
<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 GIT1-pY545 rabbit polyclonal antibody (Cat. No.: PN517) 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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