

PE-04ADQ95-P

TGM2 (366-372) pY369 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on TGM2



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:	Protein-glutamine gamma-glutamyltransferase 2
Name Alias:	C polypeptide; G-ALPHA-h; GNAH; Protein-glutamine gamma-glutamyltransferase 2; protein-glutamine-gamma-glutamyltransferase; TG(C); TG2; TGase C; TGase H; TGase-2; TGase-H; TGC; TGM2; Tissue transglutaminase; transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase); Transglutaminase C; Transglutaminase H; Transglutaminase-2
Species Origin:	Human
UniProt ID:	P21980

Peptide Structure

Peptide Name:	TGM2 (366-372) pY369
Peptide Origin:	In the region between the Transglut_core and Transglut_C domains. This is the major in vivo phosphorylation site in TGM2.
Peptide Sequence Location:	E366-G372
Peptide Sequence:	EGT(pY)CCG(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:	986.0
Observed Peptide Mass:	985.5
% Peptide Purity:	96.8
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:	KMP04CAT-42
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 TGM2-pY369 rabbit polyclonal antibody (Cat. No.: PN541) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
---------------------	--

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)