

PE-04ADU85-P

p38d (177-182) pT180+pY182 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on p38d MAPK (MAPK13)



KINEXUS

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Target Protein

Name Long:	Mitogen-activated protein-serine kinase p38 delta; Mitogen-activated protein kinase 13
Name Alias:	MAP kinase p38 delta; MAPK13; Mitogen-activated protein kinase p38 delta; MK13; P38 MAPK-delta;p38delta; PRKM13; Stress-activated protein kinase-4; SAPK4; p38d MAPK; ENSG00000156711
Species Origin:	Human
UniProt ID:	O15264

Peptide Structure

Peptide Name:	p38d (177-182) pT180+pY182
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	A177-Y182
Peptide Sequence:	AEM(pT)G(pY)(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:	1004.9
Observed Peptide Mass:	1003.1
% Peptide Purity:	85.9
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-46
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 p38d-pT180+pY182 rabbit polyclonal antibody (Cat. No.: PK742) 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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