

PE-04AOG99-P

OSR1 (182-188) pT185 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on OSR1 (OXSR1)



KINEXUS

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Target Protein

Name Long:	Serine/threonine-protein kinase OSR1
Name Alias:	OXSR1
Species Origin:	Human
UniProt ID:	O95747

Peptide Structure

Peptide Name:	OSR1 (182-188) pT185
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	V182-G188
Peptide Sequence:	VRK(pT)FVG(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:	1059.2
Observed Peptide Mass:	1059.5
% Peptide Purity:	98.21
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:	KMP04CAX-70
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 OSR1-pT185 rabbit polyclonal antibody (Cat. No.: PK738) 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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