PE-04AOC99-P

MOS (260-266) pY263 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Mos

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Target Protein

Name Long:	Moloney sarcoma oncogene-encoded protein-serine kinase
Name Alias:	ADRB2; C-mos; MGC119963; MSV; MGC119962; CCDS6164.1; ENSG00000172680
Species Origin:	Human
UniProt ID:	P00540

Peptide Structure

Peptide Name:	MOS (260-266) pY263
Peptide Origin:	In the protein kinase catalytic domain near subdomain IX.
Peptide Sequence Location:	A260-A266
Peptide Sequence:	ADI(pY)SFA(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:	1039.1
Observed Peptide Mass:	1038.8
% Peptide Purity:	97.97
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-66
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the Mos-pY263 rabbit polyclonal antibody (Cat. No.: PK722) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.