

PE-04ABM80-P

MuSK (752-759) pY756 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on MuSK



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Target Protein

Name Long:	Muscle, skeletal receptor tyrosine-protein kinase
Name Alias:	Muscle specific tyrosine kinase receptor
Species Origin:	Human
UniProt ID:	O15146

Peptide Structure

Peptide Name:	MuSK (752-759) pY756
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	S752-N759
Peptide Sequence:	SADY(pY)KAN(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:	1226.2
Observed Peptide Mass:	1225.8
% Peptide Purity:	80
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:	KMP04CAN-24
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	This phosphopeptide may 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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