PE-04AWQ90-P

MuSK (748-759) pY751+pY755+pY756 Peptide Powder

12-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 (748-759) pY751+pY755+pY756
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R748-N759
Peptide Sequence:	RNI(pY)SAD(pY)(pY)KAN
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1933
Observed Peptide Mass:	1930.7
% Peptide Purity:	88.7
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:	KLP04CAD-20
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.