PE-04ATD55-P

DYRK4 (259-273) pY262+pT263+pY264+pS267+pY270 Peptide Powder

15-mer immunogen and phosphatase substrate phosphopeptide based on DYRK4

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Target Protein

Name Long:	Dual specificity tyrosine-phosphorylation-regulated kinase 4
Name Alias:	Dual-specificity tyrosine- (Y)-phosphorylation regulated kinase 4
Species Origin:	Human
UniProt ID:	Q9NR20

Peptide Structure

Peptide Name:	DYRK4 (259-273) pY262+pT263+pY264+pS267+pY270
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	Q259-P273
Peptide Sequence:	QKV(pY)(pT)(pY)IQ(pS)RF(pY)RSP
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2509.5
Observed Peptide Mass:	2506.4
% Peptide Purity:	56.2
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:	KLP04CAB-08
Amount:	1 mg
Storage Conditions:	Frozen at -20℃
Storage Stability:	Over 1 year at -20℃

Applications

Product Use:	This phosphopeptide may be useful as a substrate for screening the phosphatase activity of protein phosphatases.