PE-01AGQ95-P

KinSub1DDLYG Peptide Powder

15-mer kinase substrate peptide for assaying Hck

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Target Protein

Name Long:	Tyrosine-protein kinase Hck
Name Alias:	B-cell, myeloid kinase; B-cell/myeloid kinase; BMK; Hemopoietic cell kinase; JTK9; Kinase Hck; p56-HCK and p60-HCK; p59-Hck; p60-Hck; RP5-836N17_3; ENSG00000101336
UniProt ID:	P08631

Peptide Structure

Peptide Name:	KinSub1DDLYG
Peptide Origin:	KinSub1DDLYG was originally identified using a microarray with peptides that were predicted as optimal substrates for 500 human protein kinases with a proprietary algorithm developed at Kinexus with our academic partners.
Peptide Sequence Location:	Not applicable
Peptide Sequence:	EGLEDDLYGGPGPGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1431.5
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	For assaying the phosphotransferase activity of Tyrosine-protein kinase Hck (Hck, UniProt ID P08631). The KinSub1DDLYG peptide demonstrated very high phosphotransferase activity with Blk, and exhibited medium specificity when assayed with over 200 other protein kinases. A listing of other kinases that show appreciable phosphotransferase activity towards this peptide are listed in Table 1.