PE-01AGT95-P

KinSub1DDLYY Peptide Powder

15-mer kinase substrate peptide for assaying BLK

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Target Protein

Name Long:	B lymphoid tyrosine kinase
Name Alias:	P55-BLK
UniProt ID:	P51451

Peptide Structure

Peptide Name:	KinSub1DDLYY
Peptide Origin:	KinSub1DDLYY 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:	HGGEDDLYYAPGGGG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1463.5
% 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 B lymphoid tyrosine kinase (Blk, UniProt ID P51451). The KinSub1DDLYY peptide demonstrated very high phosphotransferase activity with Blk, and exhibited moderate 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.

This product is for in vitro research use only and is not intended for use in humans or animals.