PE-01ALM95-P

KinSub8RRGSF Peptide Powder

15-mer kinase substrate peptide for assaying SGK3

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Target Protein

Name Long:	Serine/threonine-protein kinase Sgk3
Name Alias:	CISK; Serine/threonine protein kinase CISK; Serum/glucocorticoid regulated kinase family, member 3; Serum/glucocorticoid-regulated kinase 3; Serum/glucocorticoid-regulated kinase-like; SGK2; SGKL; SGK-like protein SGKL
UniProt ID:	Q96BR1

Peptide Structure

Peptide Name:	KinSub8RRGSF
Peptide Origin:	KinSub8RRGSF 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:	GFLSRRGSFGNGKHG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1575.8
% 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 Serine/threonine-protein kinase Sgk3 (UniProt ID Q96BR1). The KinSub8RRGSF peptide demonstrated high phosphotransferase activity with SGK3, and exhibited low 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.