

PE-01ACS95-P

GRKtide KinSub Peptide Powder

13-mer kinase substrate peptide for assaying GRK2 (BARK1; ADRBK1)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Beta-adrenergic receptor kinase 1
Name Alias:	ADRBK1; Adrenergic, beta, receptor kinase 1; ARBK1; BARK; BARK1; Beta-adrenergic receptor kinase 1; Beta-ARK-1; G-protein coupled receptor kinase 2; G protein receptor kinase 2
UniProt ID:	P25098

Peptide Structure

Peptide Name:	GRKtide KinSub
Peptide Origin:	Based on common specificity of GRK's
Peptide Sequence Location:	Not applicable
Peptide Sequence:	CRRREEEEEESAAA
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Acid
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1536.2
% 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
Lot Number:	G46-58
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	For assaying the phosphotransferase activities of Beta-adrenergic receptor kinase 1 (UniProt ID P25098) as well as GRK2 (UniProt ID P25098), GRK3 (UniProt ID P35626), GRK4 (UniProt ID P32298), GRK5 (UniProt ID P34947), GRK6 (UniProt ID P43250), GRK7 (UniProt ID Q8WTQ7) and possibly Casein kinase I, alpha isoform (CK1a, UniProt ID P48729).
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This product is for in vitro research use only and is not intended for use in humans or animals.

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