

PE-01AJY95-P

KinSub2MTMTP Peptide Powder

15-mer kinase substrate peptide for assaying FGFR1



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Target Protein

Name Long:	Fibroblast growth factor receptor-tyrosine kinase 1; Basic fibroblast growth factor receptor 1
Name Alias:	BFGFR; BFGF-R; CD331; CEK; C-fgr; FGFBR; FGFR-1; Fgr; FLT2; KAL2; Pfeiffer syndrome; HBGFR; KAL2; N-SAM; OGD; bFGF-R-1; H2; H3; H4; H5; ENSG00000077782
UniProt ID:	P11362

Peptide Structure

Peptide Name:	KinSub2MTMTP
Peptide Origin:	KinSub2MTMTP 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:	GGRSMTMTPYVGTYG
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1576.8
% 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 Fibroblast growth factor receptor-tyrosine kinase 1; Basic fibroblast growth factor receptor 1 (FGFR1, UniProt ID P11362). The KinSub2MTMTP peptide demonstrated medium phosphotransferase activity with Src, and exhibited very 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.
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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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