

PE-04AFJ95-P

FGFR2 (653-659) pY656+pY657 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on FGFR2 (BEK)



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:	Fibroblast growth factor receptor-tyrosine kinase 2 (BEK)
Name Alias:	BEK; BFR1; BFR-1; CD332; CEK3; CFD1; Crouzon syndrome; ECT1; K-SAM; TK25; KGFR; K-SAM; JWS; CD332; TK14; TK25; ENSG00000066468; Q16888; Q7KZ14
Species Origin:	Human
UniProt ID:	P21802

Peptide Structure

Peptide Name:	FGFR2 (653-659) pY656+pY657
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	D653-K659
Peptide Sequence:	DID(pY)(pY)KK(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1278.18
Observed Peptide Mass:	1277.4
% Peptide Purity:	94.7
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:	KMP04CAV-02
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the FGFR2-pY656+pY657 rabbit polyclonal antibody (Cat. No.: PK635) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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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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