

Specifications:

Gene:	hPTK2
Accession:	NP_722560.1
Insert size:	3172bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

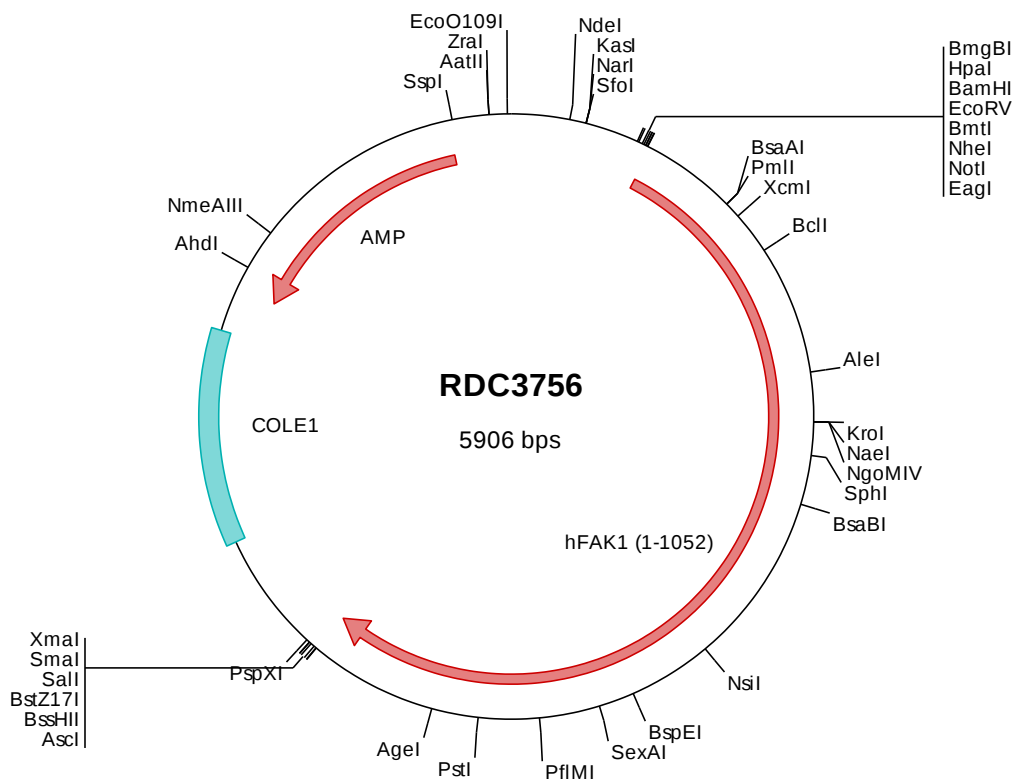
hFAK cDNA Plasmid

PTK2 protein tyrosine kinase 2 [*Homo sapiens* (human)]

Also known as: FAK; FADK; FAK1; FRNK; FADK 1; PPP1R71; p125FAK; pp125FAK

Summary:

PTK2 is a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. It is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of PTK2 may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3756 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgtaatt
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> RDC3756 Translated Insert Sequence

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201  vglkrffpkp lldsvkaktl rkliqgtfrq fanlnreesi lkffeilspv yrfdkecfkc algsswiisv elaigpeeegi syltkdgcnp thladftqvq
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401  ideedtytmp strdyeiqr gqfgrdvhqqi ymspenpala vaiktcknct sdsvreklfq ealtmrqfdh phivklgivi tenpwwiime
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701  vsdsggsde appkpsrpgy pspqhmvtqn hyqvsyggys hgitamagsi ypgqasllldq tdswnhrpqc iiamwqpnved stvldlrig
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