

Specifications:

Gene:	hPTK2B
Accession:	NP_004094.3
Insert size:	3043bp
Concentration:	10µg at 0.2µg/µL

hPYK2/FAK2 cDNA Plasmid

**PTK2B protein tyrosine kinase
2 beta [*Homo sapiens*
(human)]**

Also known as: PKB; PTK; CAKB;
FAK2; PYK2; CADTK; FADK2;
RAFTK

Summary:

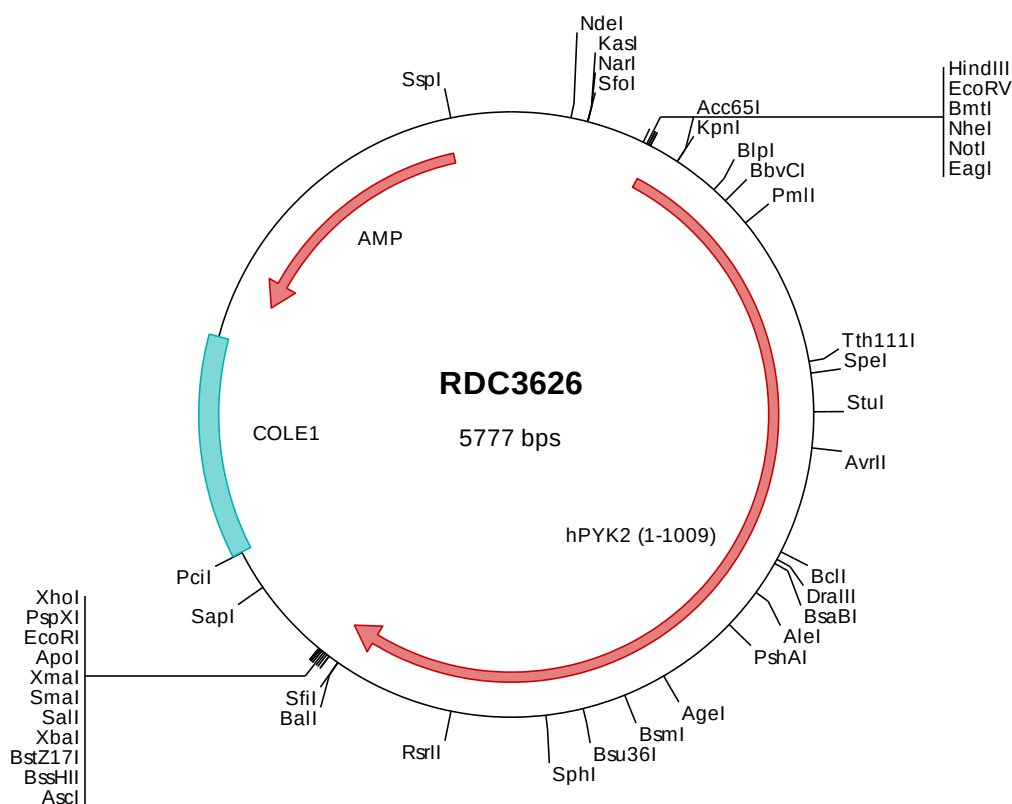
PTK2B is a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. PTK2B may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. PTK2B undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3626 Plasmid DNA Sequence

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> RDC3626 Translated Insert Sequence

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