

Product datasheet for **RC238667**

PXK (NM_001289098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289098) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PXK
Synonyms:	MONAKA; SLOB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238667 representing NM_001289098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTCATGGAGAAGCCGCCAGCCGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCAGCCA
 TCGAGGCGAGCCAGAGCCTGCAGTCCCACACGGAATATATTATTCGAGTGCAAAGAGGAATTTCTGTGGA
 AACAGCTGGCAGATTGTTAGAAGATACAGTGACTTTGATTTGCTTAACAACAGCTTACAGATTGCAGGC
 CTAAGTCTACCTCTTCTCCAAAAAATTGATTGGTAACATGGATCGTGAATTCATAGCTGAAAGGCAGA
 AAGGTCTTCAGAACTATCTCAACGTGATCAACAACATCATCTTGTCTAATTGTGAGCTGGTTAAGAA
 GTTTTTAGATCCAAACAATACTCCGCAAACTATACTGAGATTGCCTTGAACAGGTTTCCATGTTCTTC
 CGATCAGAACAAAGTGGGAGGTGGTGAACCTTTGAAAGACATAGGTTGGAGAATAAGGAAGAAATATT
 TCTTGATGAAGATTAATAATCAGCCAAAGAACGGCTAGTGTAAAGCTGGGCTGACCTGGCCAGACAA
 GTATTTGTCAGATAAAGATTTTTCAGTGTCTAATCAAACCTCTGCCTTCTGTTTGCACCCTTACATCTAT
 CGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTAATTAGGATGTTTAAAGAAAGGGAACAT
 TGAAAGATCTGATCTACAAGGCAAAACAAAAGACCCATTTCTAAAGAAGTACTGCAACCCTAAGAGAT
 TCAGGGCCTGGAACCTCCAGCAAAATAAAACATATGGACGGCAAAATATTAGAGGACTGAAGTTTCTTCAT
 GACAAGGATTCCTTATGGGCATCTTCACGCCTCCAATGTGTGCTCGATGGGGACACTTGGCCGCTGC
 TGGACCTTGAGAATTCCTTATTGGGCTGCCTTCTTCTACCGATCTTATTTTTACAATTCAGGAAAAAT
 CAATACATTGGAAAGTGTGGATGCCACTGCTTGGCCACTTACTGTATGAAATGACTTATGGACGACCG
 CCAGACTCGGTGCCTGTGGACTCCTTCCCTCCTGCCCGTCCATGGCTGTGGTGGCCGTGTTGGAGTCTA
 CGCTGTCTTGTGAAGCCTGTAATAATGGCATGCCTACCATCTCCCGCTTACAGATGCCATTATTCAG
 CGATGTTTTACTAACCACTTCTGAAAAACACAGTTTAAAGATCCCTACAAGTTAAAGAGGCATTGAGA
 ATTGCCAAAGAATGTATAGAGAAGAGACTAATTGAGGAACAGAAACAGATTACACAGCATCGAAGACTGA
 CAAGAGCTCAGTCCCACCATGGATCTGAGGAGGAAAGAAAAAAGAAAGATTTAGCTCGAAAAGAGTC
 AAAACGATCTGCTCTTGAATAAGTGAAGAGCATTACGCGAAGTACAGCAACTCCAATAATTCAGCAGGA
 TCTGGGGCAGCTCACCTCTCACGTCCCGTCATCGCAACTCCACCCTTACATCAGTAGAGCATGCAC
 CATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238667 representing NM_001289098
 Red=Cloning site Green=Tags(s)

MAFMEKPPAGKVLLDDTVPLTAAIEASQSLQSHTYIIRVQRGISVENSQIVRRYSDFLLNNSLQIAG
 LSLPLPPKKLIGNMDREFIAERQKGLQNYLNVITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFF
 RSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQPKERLVLWADLGPDKYLSKDFQCLIKLLPSCLHPYIY
 RVTFATANESSALLIRMFNEKGLKDLIYKAKPKDPFLKCYCNPKKIQGLELQQIKTYGRQILEVLKFLH
 DKGFYPYGLHASNVMLDGDTCRLLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRP
 PDSVPVDSFPPAPSMVAVLESTLSCEACKNGMPTISRLLQMPLFSDVLLTTSEKQFKIPTKLKEALR
 IAKECIEKRLIEEQQIHQHRRLTRAQSHHGSEEEERKKRILARKKSKRSALENSEEHSKYSNSNSNSAG
 SGASSPLTSPSSPTPPSTSVEHAPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

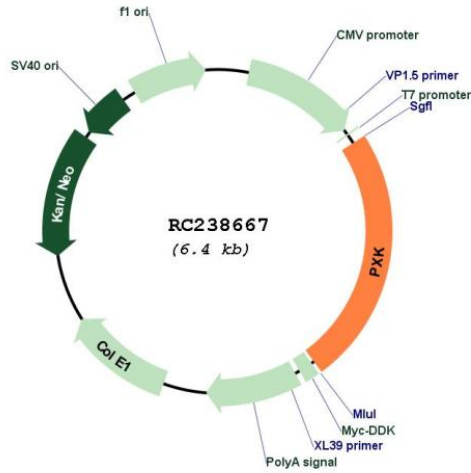
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001289098
ORF Size:	1545 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001289098.1 , NP_001276027.1
RefSeq Size:	3053 bp
RefSeq ORF:	1548 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	59.2 kDa
Gene Summary:	This gene encodes a phox (PX) domain-containing protein which may be involved in synaptic transmission and the ligand-induced internalization and degradation of epidermal growth factors. Variations in this gene may be associated with susceptibility to systemic lupus erythematosus (SLE). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]