

Product datasheet for **RC238909**

PXK (NM_001289095) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289095) 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:

>RC238909 representing NM_001289095
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTTCATGGAGAAGCCGCCAGCCGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCAGCCA
 TCGAGGCGAGCCAGAGCCTGCAGTCCCACACGATTGTTAGAAGATACAGTGACTTTGATTTGCTTAACAA
 CAGCTTACAGATTGCAGGCCTAAGTCTACTCTTCTCCCAAAAAATTGATTGGTAACATGGATCGTGAA
 TTCATAGCTGAAAGGCAGAAAGGTCTTCAGAACTATCTCAACGTGATCACAACAAATCATATCTGTCTA
 ATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACACTATTCGCAACTATACTGAGATTGCCTTGCA
 ACAGGTTTCCATGTTCTCCGATCAGAACCAAAGTGGGAGGTGGTGAACCTTTGAAAGACATAGTTGG
 AGAATAAGGAAGAAATATTTCTGATGAAGATTAATAATCAGCCAAAGGAACGGCTAGTGTAAAGCTGGG
 CTGACCTTGGCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATCAAACCTCTGCCTCTTG
 TTTGCACCCTTACATCTATCGGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTAATTAGGATG
 TTTAACGAAAAGGGAACATTGAAGGATCTGATCTACAAGGCAAAACCAAAAGACCCATTTCTAAAGAAGT
 ACTGCAACCCTAAGAAGATTCAGGGCTGGAATCCAGCAATAAAAAACATATGGACGGCAATATTAGA
 GGTAAGTGAAGTTTCTTATGACAAGGGATTCCCTTATGGGCATCTTACGCCTCCAATGTGATGCTCGAT
 GGGGACACTTGCCGGCTGCTGGACCTTGAGAATTCCTTATTGGGCTGCCTTCTTCTACCGATCTTATT
 TTTCAAAATTCAGGAAAATCAATACATTGGAAAGTGTGGATGTCCACTGCTTTGGCCACTACTGTATGA
 AATGACTTATGGACGACCCAGACTCGGTGCCTGTGGACTCCTCCCTCCTGCCCGTCCATGGCTGTG
 GTGGCCGTGTGGAGTCTACGCTGTCTTGTGAAGCCTGTAAAAATGGCATGCCTACCATCTCCCGGCTCT
 TACAGATGCCATTATTCAGCGATGTTTTACTAACCACTTCTGAAAAACCACAGTTAAGATCCCTACAAA
 GTTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACTAATTGAGGAACAGAAACAGATT
 CACCAGCATCGAAGACTGACAAGAGCTCAGTCCCACCATGGATCTGAGGAGGAAAGAAAAAAGAAAGA
 TTTTAGCTCGAAAGAAGTCAAAACGATCTGCTCTTAAAAATAGTGAAGAGCATTACGCAAGTACAGCAA
 CTCCAATAATTCAGGATCTGGGGCCAGCTCACCTCTCACGTCCCCGTCATCGCAACTCCACCCTTACA
 TCAGCTGCCTTAGGTTTGGAGTAAAAGATGTAAGAAAGGGATATCTGCATTACCTCCACCTCTCCACCT
 CCACCACCACGACGCTCCCTTGCTCCTGCGAGCACCAGGCACCTGCCAGCTCTCGTCTCAGGCTG
 TGATGGCATGAGCCGAGGGCCTTGCTCAGCTCCATCCAGAATTTCAAAAAGGAACTTTGAGGAAAGC
 CAAAACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238909 representing NM_001289095
 Red=Cloning site Green=Tags(s)

MAFMEKPPAGKVLLDDTVPLTAAIEASQSLQSHTIVRRYSDFDLLNNSLQIAGLSLPLPPKKLIGNMDRE
 FIAERQKGLQNYLNVITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPLKDIGW
 RIRKKYFLMKIKNQPKERLVLSWADLGPDKYLSKDFQCLIKLLPSC LHPYIYRVTFATANESSALLIRM
 FNEKGTLDLIYKAKPKDPFLKKYCNPKKIQGLELQQIKTYGRQILEVLKFLHDKGFPYGHLLHASNVMLD
 GDTCRLLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSFPPAPSMVA
 VAVLESTLSCEACKNGMPTISRLLQMPLFSDVLLTTSEKQPKIPTKLKEALRIAKEICIEKRLIEEQKQI
 HQHRRLTRAQSHHGSEERKKRILARKKSKRSALENSEEHSKYSNSNNSGSGASSPLTSPSSPTPPST
 SAALGLSKRCKERDICTSSTSTTTSSSLASCEHRGTCPALVSGCEWHEPRGLAQLHPEFPKRNFEES
 QNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

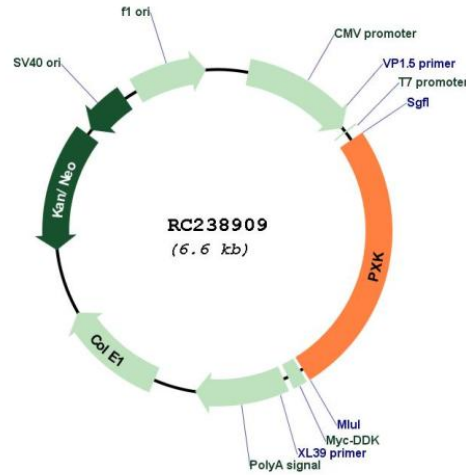
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001289095
 ORF Size: 1689 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_001289095.1 , NP_001276024.1
RefSeq Size:	3000 bp
RefSeq ORF:	1692 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	64.2 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]