

Product datasheet for **RC238838**

PXK (NM_001289096) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289096) 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:

>RC238838 representing NM_001289096
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTCATGGAGAAGCCGCCAGCCGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCAGCCA
 TCGAGGCGAGCCAGAGCCTGCAGTCCCACACGATTGCAGGCCTAAGTCTACCTCTTCTCCCAAAAATT
 GATTGGTAACATGGATCGTGAATTCATAGCTGAAAGGCAGAAAGTCTTCAAGTATCTCAACGTGATC
 ACAACAAATCATATCTTGTCTAATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACTATCCGCAA
 ACTATACTGAGATTGCCTTGGACAGGTTTCCATGTTCTCCGATCAGAACCAAAGTGGGAGGTGGTGA
 ACCTTTGAAAGACATAGTTGGAGAATAAGGAAGAAATATTTCTTGATGAAGATTAATAACAGCCAAAG
 GAACGGCTAGTGTAAAGCTGGGCTGACCTTGGCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTC
 TAATCAAACCTTGCCTTCTGTTTGCACCTTACATCTATCGGTTACCTTTGCCACAGCTAATGAATC
 CTCAGCGTTGCTAATTAGGATGTTTAAACGAAAAGGGAACATTGAAGGATCTGATCTACAAGGCAAAACCA
 AAAGACCCATTTCTAAAGAAGTACTGCAACCCTAAGAAGATTGAGGCCTGGAATCCAGCAAAATAAAAA
 CATATGGACGGCAAAATATTAGAGGTAAGTGTCTTCTCATGACAAGGGATTCCCTTATGGGCATCTTCA
 CGCCTCCAATGTGATGCTCGATGGGACACTTGGCCGGTCTGGACCTTGAGAATTCCTTATTGGGCCTG
 CCTTCTTCTACCGATCTTATTTTTACAATTCAGGAAAATCAATACATTGGAAGTGTGGATGTCCACT
 GCTTTGGCCACTTACTGTATGAAATGACTTATGGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTCCC
 TCCTGCCCCGTCATGGCTGTGGTGGCCGTGTGGAGTCTACGCTGTCTTGTGAAGCCTGAAAAATGGC
 ATGCCTACCATCTCCCGCTCTTACAGATGCCATTATTCAGCGATGTTTTACTAACCACTCTGAAAAAC
 CACAGTTAAGATCCCTACAAGTTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGACT
 AATTGAGGAACAGAAAACAGATTCACCAGCATCGAAGACTGACAAGAGCTCAGTCCCAACCATGGATCTGAG
 GAGGAAAAGAAAAAAGAAAGATTTTAGCTCGAAAAGTCAAAAACGATCTGCTCTTGAAAAATAGTGAAG
 AGCATTACGCAAGTACAGCAACTCCAATAATTCAGCAGGATCTGGGGCCAGCTCACCTCTCACGTCCTC
 GTCATCGCAACTCCACCCTCTACATCAGGGATATCTGCATTACCTCCACCTCCTCCACCTCCACCACCA
 CCAGCAGCTCCCTTGCCTCCTGCGAGCACCGAGGCACCTGCCAGCTCTCGTCTCAGGCTGTGAATGGCA
 TGAGCCGAGGGCCCTTGCTCAGCTCCATCCAGAATTTCCAAAAAGGAACCTTGAGGAAAGCCAAAACCTG
 TGATCACAGTGTCCGAAGATCGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238838 representing NM_001289096
 Red=Cloning site Green=Tags(s)

MAFMEKPPAGKVLLDDTVPLTAAIEASQSLQSHTIAGLSLPLPPKKLIGNMDREFIAERQKGLQNYLNVI
 TTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQPK
 ERLVLSWADLGPDKYLSKDFQCLIKLLPSCLHPYIYRVTFATANESSALLIRMFNEKGLKDLIYKAKP
 KDPFLKKYCNPKKIQGLELQQIKTYGRQILEVLKFLHDKGFPYGHLLHASNVMLDGDTCRLLDLENSLLGL
 PSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSFPPAPSMVAVVLESTLSCEACKNG
 MPTISRLLQMPLFSDVLLTTSEKQFKIPTKLKEALRIAKECIEKRLIEEQKQIHQHRRLTRAQSHHGSE
 EERKKRILARKKSKRSALENSEEHSKYSNSNNSAGSGASSPLTSPSSPTPPSTSGISALPPPPPPPP
 PAAPLPPASTEAPAQLSSQAVNGMSRGALLSSIQNFKGTLRKAKTCDHSAPKIG

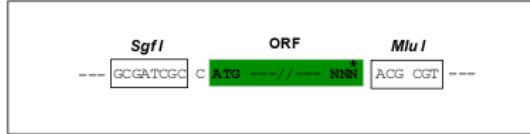
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

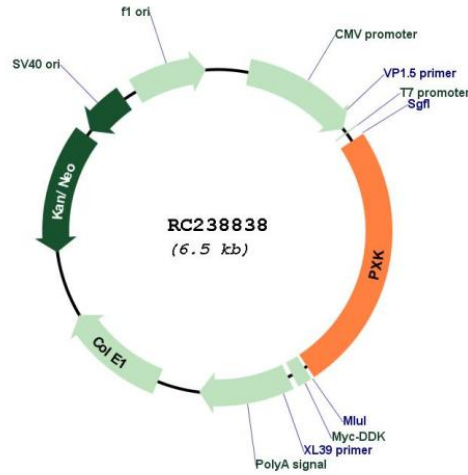
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001289096
ORF Size:	1635 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_001289096.1 , NP_001276025.1
RefSeq Size:	2921 bp
RefSeq ORF:	1638 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	61.4 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]