

## Product datasheet for **RC238489**

### **PXK (NM\_001289100) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289100) 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:**

>RC238489 representing NM\_001289100  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTTCATGGAGAAGCCGCCAGCCGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCAGCCA  
 TCGAGGCGAGCCAGACCTGCAGTCCCACACGATTGCAGGCCTAAGTCTACCTCTTCTCCCAAAAAATT  
 GATTGGTAACATGGATCGTGAATTCATAGCTGAAAGGCAGAAAGTCTTCAAGTATCTCAACGTGATC  
 ACAACAAATCATATCTTGTCTAATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACACTATCCGCAA  
 ACTATACTGAGATTGCCTTGCAACAGGTTTCCATGTTCTCCGATCAGAACCAAAGTGGGAGGTGGTGA  
 ACCTTTGAAAGACATAGTTGGAGAATAAGGAAGAAATATTTCTTGATGAAGATTAATAACAGCCAAAG  
 GAACGGCTAGTGTAAAGCTGGGCTGACCTTGGCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTC  
 TAATCAAACCTTCTGCCTTCTGTTTGCACCTTACATCTATCGGGTACCTTTGCCACAGCTAATGAATC  
 CTCAGCGTTGCTAATTAGGATGTTTAAACGAAAAGGGAACATTGAAGGATCTGATCTACAAGCAAAACCA  
 AAAGACCCATTTCTAAAGAAGTACTGCAACCCTAAGAAGATTGAGGCCTGGAATCCAGCAAAATAAAAA  
 CATATGGACGGCAAAATATTAGAGGTAAGTTCCTTCTCATGACAAGGGATTCCCTTATGGGCATCTTCA  
 CGCCTCCAATGTGATGCTCGATGGGACACTTGGCCGGCTGCTGGACCTTGAGAATTCCTTATTGGCCCTG  
 CCTTCTTCTACCGATCTTATTTTTACAATTCAGGAAAATCAATACATTGGAAGTGTGGATGTCCACT  
 GCTTTGGCCACTTACTGTATGAAATGACTTATGGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTCCC  
 TCCTGCCCCGTCATGGCTGTGGTGGCCGTGTGGAGTCTACGCTGTCTTGTGAAGCCTGTAATAATGGC  
 ATGCTACCATCTCCCGCTCTTACAGATGCCATTATTCAGCGATGTTTTACTAACCACTCTGAAAAAC  
 CACAGTTAAGATCCCTACAAGTTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACT  
 AATTGAGGAACAGAAAACAGATTCACCAGCATCGAAGACTGACAAGAGCTCAGTCCCACTGGATCTGAG  
 GAGGAAAAGAAAAAAGAAAGATTTTAGCTCGAAAAGAGTCAAAAACGATCTGCTCTTGAAAAATAGTGAAG  
 AGCATTACGCAAGTACAGCAACTCCAATAATTCAGCAGGATCTGGGGCCAGCTCACCTCTCACGCCCC  
 GTCATCGCAACTCCACCCTCTACATCAGTAGAGCATGCACCATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238489 representing NM\_001289100  
 Red=Cloning site Green=Tags(s)

MAFMEKPPAGKVLLDDTVPLTAAIEASQSLQSHTIAGLSLPLPPKKLIGNMDREFIAERQKGLQNYLNVI  
 TTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQPK  
 ERLVLSWADLGPDKYLSKDFQCLIKLLPSCLHPYIYRVTFATANESSALLIRMFNEKGTLDLIYKAKP  
 KDPFLKKYCNPKKIQGLELQQIKTYGRQILEVLKFLHDKGFPYGHLSASNVMLDGDTCRLLDLENSLLGL  
 PSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSFPPAPSMVAVVLESTLSCEACKNG  
 MPTISRLLQMPLFSDVLLTTSEKPOFKIPTKLKEALRIAKECIEKRLIEEQKQIHQHRRLTRAQSHHGSE  
 EERKKRILARKKSKRSALENSEEHSKYSNSNNSAGSGASSPLTSPSSPTPPSTSVEHAPF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

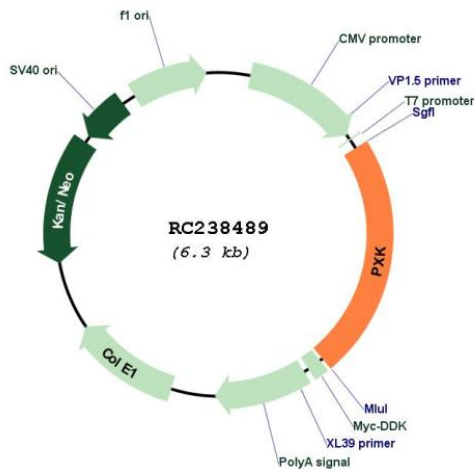
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001289100

ORF Size: 1446 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001289100.1, NP_001276029.1</u>
<b>RefSeq Size:</b>	2954 bp
<b>RefSeq ORF:</b>	1449 bp
<b>Locus ID:</b>	54899
<b>UniProt ID:</b>	<u>Q7Z7A4</u>
<b>Cytogenetics:</b>	3p14.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	55.2 kDa
<b>Gene Summary:</b>	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]