

Product datasheet for **RC238561**

PXK (NM_001289099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289099) 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



[View online »](#)

ORF Nucleotide Sequence:

>RC238561 representing NM_001289099
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCGTGAATTCATAGCTGAAAGGCAGAAAGTCTTCAGAACTATCTCAACGTGATCACAACAATC
 ATATCTTGTCTAATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACCTATTCCGCAAACTATACTGA
 GATTGCCTTGCAACAGGTTTCCATGTTCTTCCGATCAGAACCAAAGTGGGAGGTGGTGGAACTTTGAAA
 GACATAGTTGGAGAATAAGGAAGAAATATTTCTTGATGAAGATTAATAATCAGCCAAAGGAACGGCTAG
 TGTTAAGCTGGGCTGACCTTGGCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATCAAAC
 TCTGCCTTCTGTTTGCACCTTACATCTATCGGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTG
 CTAATTAGGATGTTTAAAGAAAGGAACATTGAAGGATCTGATCTACAAGGCAAACCAAAGACCCAT
 TTCTAAAGAAGTACTGCAACCTAAGAAGATTCAGGGCCTGGAACCTCAGCAAATAAAAACATATGGACG
 GCAAATATTAGAGTACTGAAGTTTCTCATGACAAGGGATTCCCTTATGGGCATCTTCAGCCTCCAAT
 GTGATGCTCGATGGGACACTTGCCGGCTGCTGGACCTTGAGAATTCCTTATTGGCCTGCCTTCTTCT
 ACCGATCTTATTTTTACAATTCAGGAAAATCAATACATTGGAAGTGTGGATGTCCACTGCTTTGGCCA
 CTTACTGTATGAAATGACTTATGGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTCCCTCCTGCCCG
 TCCATGGCTGTGGTGGCCGTGTTGGAGTCTACGCTGTCTGTGAAGCCTGTAAAAATGGCATGCCTACCA
 TCTCCCGCTCTTACAGATGCCATTATTCAGCGATGTTTTACTAACCACTTCTGAAAAACACAGTTTAA
 GATCCCTACAAAGTTAAAAGAGGCATTGAGAATTGCCAAAGAATGATAGAGAAGAGACTAATTGAGGAA
 CAGAAACAGATTCACCAGCATCGAAGACTGACAAGAGCTCAGTCCACCATTGGATCTGAGGAGGAAAGAA
 AAAAAAGAAAGATTTTAGCTCGAAAGAAGTCAAACGATCTGCTTTGAAAATAGTGAAGAGCTCAGC
 GAAGTACAGCAACTCCAATAATTCAGCAGGATCTGGGGCCAGCTCACCTCTCACGTCCCGTCATGCCA
 ACTCCACCCTCTACATCAGGGATATCTGCATTACCTCCACCTCCTCCACCTCCACCACCAGCAGCTC
 CTTGCTCCTGCGAGCACCGAGGCACCTGCCAGCTCTCGTCTCAGGCTGTGAATGGCATGAGCCGAGG
 GGCCTTGCTCAGCTCCATCCAGAATTTCCAAAAAGGAACCTTGGAGAAAGCCAAAACCTGTGATCACAGT
 GCTCCGAAGATCGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238561 representing NM_001289099
 Red=Cloning site Green=Tags(s)

MDREFIAERQKGLQNYLNVITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPLK
 DIGWRIRKKYFLMKIKNQPKERLVL SWADL GPKYL SDKDFQCL IKLLPSCLHPYIYRVTFATANESSAL
 LIRMFNEKGTLDLIYKAKPKDPFLKKYCNPKKIQGLELQQIKTYGRQILEVLKFLHDKGFYPYGLHASN
 VMLDGDTCRLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSFPPAP
 SMAVVAVLESTLSCEACKNGMPTISRLLQMPLFSDVLLTTSEKQFKIPTKLKEALRIAKECIEKRLIEE
 QKQIHQHRRLTRAQSHHGSEERKKRILARKKSKRSALENSEEHSKYSNSNNSAGSGASSPLTSPSSP
 TPPSTSGISALPPPPPPPPPAAPLPPASTEAPAQLSSQAVNGMSRGALLSSIQNFQKGTLRKAKTCDHS
 APKIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

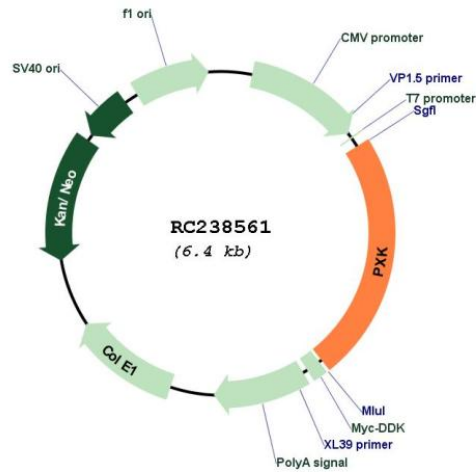
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001289099

ORF Size: 1485 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:	<u>NM_001289099.1, NP_001276028.1</u>
RefSeq Size:	3125 bp
RefSeq ORF:	1488 bp
Locus ID:	54899
UniProt ID:	<u>Q7Z7A4</u>
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	56.2 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]