

Product datasheet for RC238250

PXK (NM_001289101) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289101) 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
ORF Nucleotide Sequence:	>RC238250 representing NM_001289101 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTCCGATCAGAACCAAAGTGGGAGGTGGTGGAACTTTGAAAGACATAGTTGGAGAATAAGGA
AGAAATATTTCTTGATGAAGATTAATAACAGCCAAAGGAACGGCTAGTGTTAAGCTGGGCTGACCTTGG
CCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATCAAACCTCTGCCTCTTGTGGTGGCACCCT
TACATCTATCGGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTAATTAGGATGTTAAGGAAA
AGGGAACATTGAAGGATCTGATCTACAAGGCAAAACAAAAGACCCATTTCTAAAGAAAGTACTGCAACCC
TAAGAAGATTCAGGGCTGGAACCTCCAGCAAATAAAAACATATGGACGGCAAATATTAGAGGTAAGTGAAG
TTTCTTCATGACAAGGGATTCCCTTATGGGCATCTTCACGCCTCCAATGTGATGCTCGATGGGGACACTT
GCCGGCTGCTGGACCTTGAGAATTCCTTATTGGGCCTGCCTTCTTACCGATCTATTTTTACAATT
CAGGAAAATCAATACATTGGAAGTGTGGATGTCCACTGCTTTGGCCACTTACTGTATGAAATGACTTAT
GGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTCCCTCCTGCCCGTCCATGGCTGTGGTGGCCGTGT
TGGAGTCTACGTGCTTGTGAAGCCTGTAATAATGGCATGCCTACCATCTCCCGCTCTTACAGATGCC
ATTATTCAGCGATGTTTTACTAACCCTTCTGAAAAACACAGTTAAGATCCCTACAAAGTTAAAAGAG
GCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACTAATTGAGGAACAGAAACAGATTACCAGCATC
GAAGACTGACAAGAGCTCAGTCCACCATTGGATCTGAGGAGGAAAGAAAAAAGAAAGATTTAGCTCG
AAAGAAGTCAAACGATCTGCTCTTAAAAATAGTGAAGAGCATTAGCGAAGTACAGCAACTCCAATAAT
TCAGCAGGATCTGGGGCCAGCTCACCTCTCACGTCCCCGTATCGCAACTCCACCCTCTACATCAGGGA
TATCTGCATTACCTCCACCTCCTCCACCTCCACCACCAGCAGCTCCCTTGCCTCTGCGAGCACCGA
GGCACCTGCCAGCTCTCGTCTCAGGCTGTGAATGGCATGAGCCGAGGGGCTTGTCTCAGCTCCATCCAG
AATTTCCAAAAAGGAACCTTGGAGAAAGCCAAAACCTGTGATCACAGTGTCCGAAGATCGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC238250 representing NM_001289101
Red=Cloning site Green=Tags(s)

MFFRSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQPKERLVL SWADL GPKYL SDKDFQCLIKLLP SCLHP
 YIYRVTFATANESSALLIRMFNEKGTLDLIYKAKPKDPFLKKYCNPKKIQGLELQKIKTYGRQILEVLK
 FLHDKGFPPYGHLLHASNVM LDGDCRLLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTY
 GRPPDSVPVDSFPPAPSM AVVAVLESTLSCEACKNGMPTISRLLQMP LFSVDVLLTTSEKPFKIPKTLKE
 ALR IAKECIEKRLIEEQQI HQHRRLLTRAQSHHGSEEEERKKRILARKKSKRSALENSEEHS AKYSNSNN
 SAGSGASSPLTSPSSPTPPSTSGISALPPPPPPPPPPAALPPASTEAPAQLSSQAVNGMSRGALLSSIQ
 NFQKGTLRKAKTCDHSAPKIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

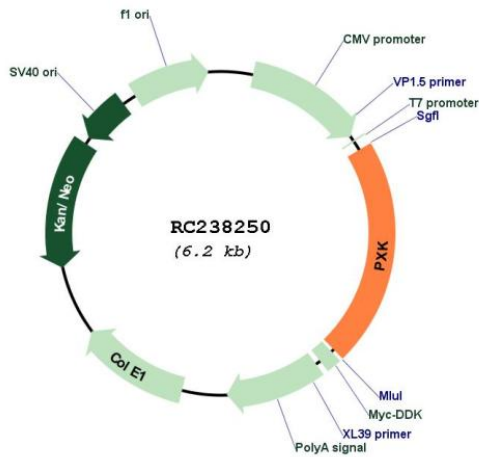
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289101

ORF Size:	1323 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_001289101.1 , NP_001276030.1
RefSeq Size:	2734 bp
RefSeq ORF:	1326 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	49.9 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]