OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC336144

PXK (NM_001289101) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289101) Human Untagged Clone
Tag:	Tag Free
Symbol:	PXK
Synonyms:	MONAKA; SLOB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

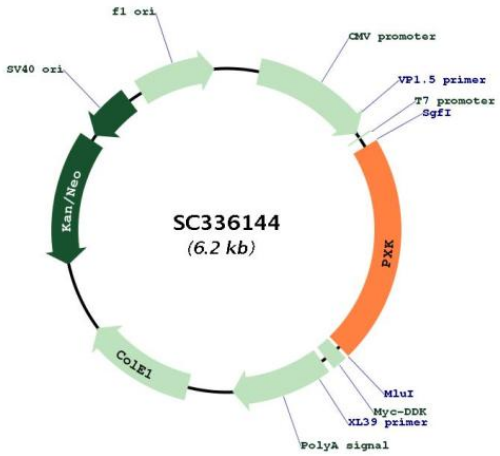
>SC336144 representing NM_001289101.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCTTCCGATCAGAACCAAAGTGGGAGGTGGTGGAACCTTTGAAAGACATAGGTTGGAGAATAAGG
AAGAAATATTTCTTGATGAAGATTAAAAATCAGCCAAAGGAACGGCTAGTGTTAAGCTGGGCTGACCTT
GGCCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATCAAACTTCTGCCTTCTTGTTTGCAC
CCTTACATCTATCGGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTAATTAGGATGTTTAAC
GAAAAGGGAACATTGAAGGATCTGATCTACAAGGCAAAACCAAAAGACCCATTTCTAAAGAAGTACTGC
AACCCTAAGAAGATTCAGGGCCTGGAACTCCAGCAAATAAAAACATATGGACGGCAAATATTAGAGGTA
CTGAAGTTTCTTCATGACAAGGGATTCCCTTATGGGCATCTTCACGCCTCCAATGTGATGCTCGATGGG
GACACTTGCCGGCTGCTGGACCTTGAGAATTCCTTATTGGGCCTGCCTTCCTTCTACCGATCTTATTTT
TCACAATTCAGGAAAATCAATACATTGGAAAGTGTGGATGTCCACTGCTTTGGCCACTTACTGTATGAA
ATGACTTATGGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTCCCTCCTGCCCCGTCCATGGCTGTG
GTGGCCGTGTTGGAGTCTACGCTGTCTTGTGAAGCCTGTAAAAATGGCATGCCTACCATCTCCCGGCTC
TTACAGATGCCATTATTCAGCGATGTTTTACTAACCACTTCTGAAAAACCACAGTTTAAGATCCCTACA
AAGTTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACTAATTGAGGAACAGAAACAG
ATTCACCAGCATCGAAGACTGACAAGAGCTCAGTCCCACCATGGATCTGAGGAGGAAAGAAAAAAAAGA
AAGATTTTAGCTCGAAAGAAGTCAAAACGATCTGCTCTTGAAAATAGTGAAGAGCATTCAGCGAAGTAC
AGCAACTCCAATAATTCAGCAGGATCTGGGGCCAGCTCACCTCTCACGTCCCCGTCATCGCCAACTCCA
CCCTCTACATCAGGGATATCTGCATTACCTCCACCTCCTCCACCTCCACCACCACCAGCAGCTCCCTTG
CCTCCTGCGAGCACCGAGGCACCTGCCCAGCTCTCGTCTCAGGCTGTGAATGGCATGAGCCGAGGGGCC
TTGCTCAGCTCCATCCAGAATTTCCAAAAAGGAACTTTGAGGAAAGCCAAAACCTGTGATCACAGTGCT
CCGAAGATCGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

View online »

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001289101

Insert Size: 1326 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:
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

RefSeq Size: 2734 bp

RefSeq ORF: 1326 bp

Locus ID: 54899

UniProt ID: Q7Z7A4

Cytogenetics: 3p14.3

Protein Families: Druggable Genome, Protein Kinase

MW: 49.5 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]
Transcript Variant: This variant (7) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform g (also known as isoform 7), which is shorter at the N-terminus, compared to isoform a. Variants 7 and 11 both encode the same isoform (g).