

Product datasheet for **SC336803**

PXK (NM_001289095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289095) 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)

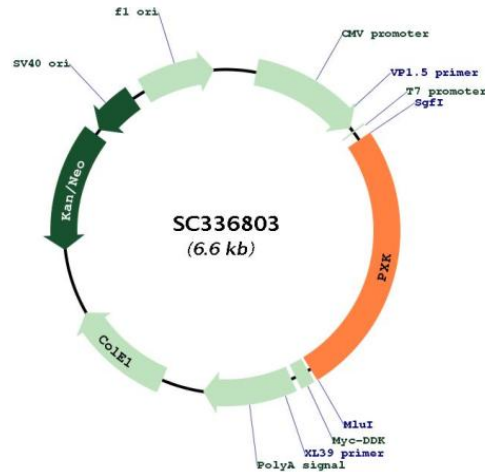


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Fully Sequenced ORF: >SC336803 representing NM_001289095.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTTCATGGAGAAGCCGCCAGCCGCAAGGTGCTGGACGACACGGTGCCGCTGACAGCAGCC
ATCGAGGCGAGCCAGAGCCTGCAGTCCCACACGATTGTTAGAAGATACAGTGACTTTGATTGCTTAAC
AACAGCTTACAGATTGCAGGCCTAAGTCTACCTCTTCTCCAAAAAATTGATTGTAACATGGATCGT
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CCTTCTGTTTGCACCCTTACATCTATCGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTA
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CAAATATTAGAGGTACTGAAGTTTCTTCATGACAAGGGATTCCCTTATGGGCATCTTCACGCCTCCAAT
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TTTAAGATCCCTACAAAGTTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACTAATT
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GAAAGAAAAAAAAGAAAGATTTAGCTCGAAAAGTCAAACGATCTGCTCTTGAATAAGTGAAGAG
CATTACAGCAAGTACAGCAACTCCAATAATTCAGGATCTGGGGCCAGCTCACCTCTCACGTCCCCGTC
TCGCCAACTCCACCCTACATCAGCTGCCTTAGGTTTGTAGTAAAAGATGTAAAGAAAGGATATCTGC
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TGCCAGCTCTCGTCTCAGGCTGTGAATGGCATGAGCCGAGGGCCTTGCTCAGTCCATCCAGAATTT
CCAAAAAGGAACCTTTGAGGAAAGCCAAAACCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001289095

Insert Size: 1692 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_001289095.1](#)

RefSeq Size: 3000 bp

RefSeq ORF: 1692 bp

Locus ID: 54899

UniProt ID: [Q7Z7A4](#)

Cytogenetics: 3p14.3

Protein Families: Druggable Genome, Protein Kinase

MW: 63.8 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 (2) lacks an alternate in-frame exon in the 5' coding region and contains an alternate exon in the 3' coding region, compared to variant 1. This results in a frameshift and an early stop codon, compared to variant 1. It encodes isoform b (also known as isoform 2), which is shorter and has a distinct C-terminus, compared to isoform a.