

Product datasheet for **RG238667**

PXK (NM_001289098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289098) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PXK
Synonyms:	MONAKA; SLOB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238667 representing NM_001289098.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCTTCATGGAGAAGCCGCCAGCCGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCAGCC
ATCGAGCGGAGCCAGAGCTGCAGTCCCACACGGAATATATTATTCGAGTGCAAAGAGGAATTTCTGTG
GAAAACAGCTGGCAGATTGTTAGAAGATACAGTGACTTTGATTTGCTTAACAACAGCTTACAGATTGCA
GGCCTAAGTCTACCTCTTCTCCAAAAAATTGATTGGTAAACATGGATCGTGAATTCATAGCTGAAAGG
CAGAAAGGTCTTCAGAACTATCTCAACGTGATCACAACAATCATATCTTGTCTAATTGTGAGCTGGTT
AAGAAGTTTTTAGATCCAAACAATATTCGCAAACTATACTGAGATTGCCTTGCAACAGGTTTCCATG
TTCTTCCGATCAGAACCAAAGTGGGAGGTGGTGGAACTTTGAAAGACATAGGTTGGAGAATAAGGAAG
AAATATTTCTTGATGAAGATTAATAATCAGCCAAAGAACGGCTAGTGTTAAGCTGGGCTGACCTTGGC
CCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATCAAACCTCTGCCTTCTGTTTGCACCT
TACATCTATCGGTTACCTTTGCCACAGCTAATGAATCCTCAGCGTTGCTAATTAGGATGTTAACGAA
AAGGGAACATTGAAGGATCTGATCTACAAGGCAAACCAAAGACCCATTCTAAAGAAGTACTGCAAC
CCTAAGAAGATTCAGGGCTGGAACCTCCAGCAAATAAAAAACATATGGACGGCAAATATTAGAGGACTG
AAGTTTCTTATGACAAGGGATTCCCTTATGGGCATCTTCACGCCTCAAATGTGATGCTCGATGGGGAC
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CAATTCAGGAAAATCAATACATTGGAAGTGTGGATGTCCACTGCTTTGGCCACTTACTGTATGAAATG
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GCCGTGTGGAGTCTACGCTGTCTTGTGAAGCCTGTAATAAATGGCATGCCTACCATCTCCCGCTCTTA
CAGATGCCATTATTCAGCGATGTTTTACTAACCTTCTGAAAAACACAGTTTAAGATCCCTACAAG
TTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAGAGACTAATTGAGGAACAGAAACAGATT
CACCAGCATCGAAGACTGACAAGAGCTCAGTCCCACCATGGATCTGAGGAGGAAAGAAAAAAGAAAG
ATTTTAGCTCGAAAGAAGTCAAACGATCTGCTCTTGAATAAGTGAAGAGCATTAGCGAAGTACAGC
AACTCCAATAATTCAGCAGGATCTGGGGCCAGCTCACCTCTCACGTCGCCGTCATCGCCAACTCCACCC
TCTACATCAGTAGAGCATGCACCATTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238667
 Blue=ORF Red=Cloning site Green=Tag(s)

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MAFMEKPPAGKVLLDDTVPLTAAIEASQSLQSHTYIIRVQRGISVENSQIVRRYSDFLLNNSLQIA
GLSLPLPPKKLIGNMDREFIAERQKGLQNYLNVITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSM
FFRSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQPKERLVL SWADLGPDKYLSDKDFQCLIKLLPSCLHP
YIYRVTFATANESSALLIRMFNEKGTLDKLIYKAKPKDPFLKKYCNPKKIQGLELQIKTYGRQILEVL
KFLHDKGFYPYGHLSASNVDLGDTCRLLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEM
TYGRPPDSVPVDSFPPAPSMVVAVLESTLSCEACKNGMPTISRLLQMPLFSDVLLTTSEKQFKIPTK
LKEALRIAKEIEKRLIEEQQIHHRRLLTRAQSHHGSEEEKRKRILARKKSKRSALENSEEHSKAYS
NSNNSAGSGASSPLTSPSSPTPPSTSVEHAPF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

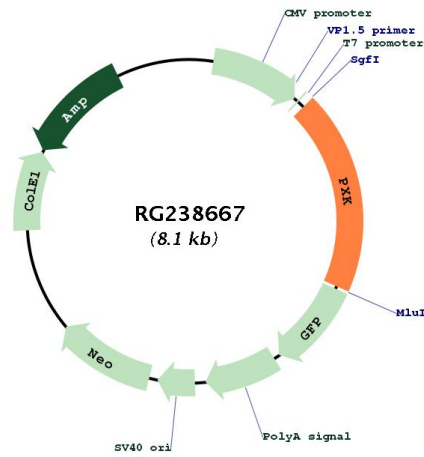
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001289098
ORF Size:	1545 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).
RefSeq:	NM_001289098.1 , NP_001276027.1
RefSeq Size:	3053 bp
RefSeq ORF:	1548 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	59.2 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]