

Product datasheet for **RG238838**

PXK (NM_001289096) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289096) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG238838 representing NM_001289096.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCTTCATGGAGAAGCCGCCAGCCGGCAAGGTGCTGTGGACGACACGGTGCCGCTGACAGCAGCC
ATCGAGGCGAGCCAGAGCCTGCAGTCCCACACGATTGCAGGCCTAAGTCTACCTTCTCCTCCCAAAAA
TTGATTGGTAACATGGATCGTGAATTCATAGCTGAAAGGCAGAAAGGTCTTCAGAACTATCTCAAGGTG
ATCACAACAAATCATATCTTGTCTAATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACATTTC
GCAAATACTACTGAGATTGCCTTGAACAGTTTCCATGTTCTCCGATCAGAACCAAAGTGGGAGGTG
GTGGAACCTTTGAAAGACATAGTTGGAGAATAAGGAAGAAATTTTCTGATGAAGATTAATAATCAG
CCAAAGGAACGGCTAGTGTAAAGCTGGGCTGACCTTGCCACAGACAAGTATTTGTCAGATAAAGATTTT
CAGTGTCTAATCAAACCTCTGCCTTCTGTTTGCACCCTTACATCTATCGGGTTACCTTTGCCACAGCT
AATGAATCCTCAGCGTTGCTAATTAGGATGTTAACGAAAAGGGAACATTGAAGGATCTGATCTACAAG
GCAAAACCAAAAGACCCATTTCTAAAGAAGTACTGCAACCCTAAGAAGATTCAGGGCCTGGAACCTCAG
CAAATAAAAACATATGGACGGCAAATATTAGAGGTACTGAAGTTTCTTCATGACAAGGGATTCCCTTAT
GGGCATCTTCACGCCTCCAATGTGATGCTCGATGGGGACACTTGCCGGCTGCTGGACCTGAGAATTCC
TTATTGGGCTGCCTTCTTACCGATCTTATTTTCAAAATCAGGAAAATCAATACATTGGAAGT
GTGGATGTCCACTGCTTTGGCCACTTACTGTATGAAATGACTTATGGACGACCCGAGACTCGGTGCCT
GTGGACTCCTTCCTCCTGCCCGTCCATGGCTGTGGTGGCCGTGTTGGAGTCTACGCTGTCTTGTGAA
GCCTGTAAAAATGGCATGCCTACCATCTCCCGCTTACAGATGCCATTATTCAGCGATGTTTTACTA
ACCCTTGTAAAAACACAGTTAAGATCCCTACAAAGTTAAAAGAGGCATTGAGAATTGCCAAAGAA
TGTATAGAGAAGAGACTAATTGAGGAACAGAAACAGATTACCAGCATCGAAGACTGACAAGAGCTCAG
TCCACCATGGATCTGAGGAGGAAAGAAAAAAGAAAGATTTTAGCTCGAAAGAAGTCAAACCATCT
GCTCTTAAAAATAGTGAAGAGCATTACAGGAAAGTACAGCAACTCCAATAATTACAGCAGGATCTGGGGCC
AGCTCACCTCTCAGTCCCGTCACTGCAACTCCACCCTTACATCAGGGATATCTGCATTACCTCCA
CCTCCTCCACCTCCACCACCAGCAGCTCCCTTGCCTCCTGCGAGCACCAGGACCTGCCAGCTC
TCGTCTCAGGCTGTGAATGGCATGAGCCGAGGGCCTTGTCTCAGCTCCATCCAGAATTTCCAAAAAGGA
ACTTTGAGGAAAGCCAAAACCTGTGATCACAGTCTCCGAAGATCGGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238838
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MAFMKPPAGKVLDDTVPLTAATEASQSLQSHTIAGLSLPLPPKKLIGNMDREFIAERQKGLQNYLNV
ITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPLKDIGWRIRKKYFLMKIKNQ
PKERLVLWADLGPDKYLSKDFQCLIKLLPCLHPYIYRVTFATANESSALLIRMFNEKGLKDLIYK
AKPKDPFLKKYCNPKKIQGLELQIQIKTYGRQILEVLKFLHDKGFPYGHLSHNVMLDGDTCRLDLLENS
LLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSFPPAPSMVAVVLESTLSE
ACKNGMPTISRLLQMPFLSDVLLTTSEKQFKIPTKLKEALRIAKEIEKRLIEEQKQIHHRRRLTRAQ
SHHGSEERKKRILARKKSKRSALENSEEHSKYSNSNSNSAGSGASSPLTSPSSPTPPSTSGISALPP
PPPPPPPPAAPLPPASTEAPAQLSSQAVNGMSRGALLSSIQNFQKGLRKAKTCDHSAPKIG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

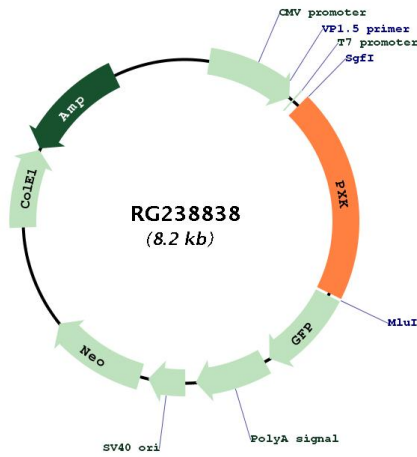
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001289096
ORF Size:	1635 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_001289096.1 , NP_001276025.1
RefSeq Size:	2921 bp
RefSeq ORF:	1638 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	61.4 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]