

Product datasheet for **RG238561**

PXK (NM_001289099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PXK (NM_001289099) 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:

>RG238561 representing NM_001289099.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATCGTGAATTCATAGCTGAAAGGCAGAAAGTCTTCAGAACTATCTCAACGTGATCACAACAAAT
CATATCTTGTCTAATTGTGAGCTGGTTAAGAAGTTTTAGATCCAAACAACATATCCGCAAACTATACT
GAGATTGCCTTGCAACAGGTTTCCATGTTCTCCGATCAGAACCAGTGGGAGGTGGTGAACCTTTG
AAAGACATAGTTGGAGAATAAGGAAGAAATATTTCTGTGAAGATTAATAATCAGCCAAAGAACGG
CTAGTGTAAAGCTGGGCTGACCTTGCCAGACAAGTATTTGTCAGATAAAGATTTTCAGTGTCTAATC
AAACTTGCCTTCTGTTTGCACCCTTACATCTACGGGTTACCTTTGCCACAGCTAATGAATCTCA
GCGTTGCTAATTAGGATGTTAACGAAAAGGGAACATTGAAGGATCTGATCTACAAGGCAAAACAAAA
GACCCATTTCTAAGAAGTACTGCAACCCTAAGAAGATTCAGGGCCTGGAACCTCAGCAATAAAAAACA
TATGGACGGCAAAATTAGAGGACTGAAGTTTCTTCATGACAAGGATTCCTTATGGGCATCTTCAC
GCCTCAAATGTGATGCTCGATGGGACACTTGCCGGCTGCTGGACCTTGAGAATTCCTTATTTGGCCTG
CCTTCTTCTACCGATCTTATTTTTACAATTCAGGAAAATCAATACATTGGAAAAGTGTGGATGTCCAC
TGCTTTGGCCACTTACTGTATGAAATGACTTATGGACGACCGCCAGACTCGGTGCCTGTGGACTCCTTC
CCTCCTGCCCCGTCCATGGCTGTGGTGGCCGTGTTGGAGTCTACGCTGTCTTGTGAAGCCTGAAAAAT
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AAACCACAGTTTAAAGTCCCTACAAAGTAAAAGAGGCATTGAGAATTGCCAAAGAATGTATAGAGAAG
AGACTAATTGAGGAACAGAAACAGATTCACCAGCATCGAAGACTGACAAGAGCTCAGTCCCACCATGGA
TCTGAGGAGGAAAGAAAAAAGAAAGATTTAGCTCGAAAGAAGTCAAAACGATCTGCTCTTGAAAAAT
AGTGAAGAGCATTACGCGAAGTACAGCAACTCCAATAATTCAGCAGGATCTGGGGCCAGTCCACCTC
ACGTCCCCGTATCGCCAACCTCCACCTCTACATCAGGGATATCTGCATTACCTCCACCTCCTCCACCT
CCACCACCACCAGCAGCTCCCTTGCCTCTGCGAGCACCAGGCACCTGCCAGCTCTCGTCTCAGGCT
GTGAATGGCATGAGCCGAGGGGCTTGCTCAGCTCCATCCAGAATTTCCAAAAAGGAACTTTGAGGAAA
GCCAAAACCTGTGATCACAGTGTCCGAAGATCGGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238561
 Blue=ORF Red=Cloning site Green=Tag(s)

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MDREFIAERQKGLQNYLNVITTNHILSNCELVKKFLDPNNYSANYTEIALQQVSMFFRSEPKWEVVEPL
KDIGWRIRKKYFLMKIKNQPKERLVL SWADLGPDKYLSKDQFQCLIKLLPSCLHPYIYRVTFATANESS
ALLIRMFNEKGLKDLIYKAKPKDPFLKKYCNPKKIQGLELQQIKTYGRQILEVLKFLHDKGFPYGHLLH
ASNVMLDGDTCRLLDLENSLLGLPSFYRSYFSQFRKINTLESVDVHCFGHLLYEMTYGRPPDSVPVDSF
PPAPSMVAVVAVLESTLSCEACKNGMPTISRLLQMPLFSDVLLTTSEKPQFKIPTKLKEALRIAKECIEK
RLIEEQQIHHRRRLTRAQSHHGSEERKKRILARKKSKRSALENSEEHSKYSNSNSAGSGASSPL
TSPSSPTPPSTSGISALPPPPPPPPAAPLPPASTEAPAQLSSQAVNGMSRGALLSSIQNFQKGLTRK
AKTCDHSAPKIG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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```

Restriction Sites:

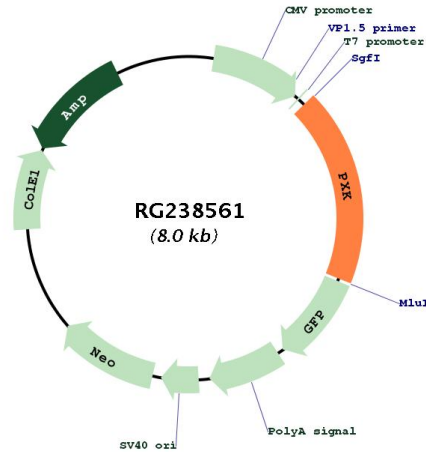
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001289099

ORF Size: 1485 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_001289099.1](#), [NP_001276028.1](#)

RefSeq Size:	3125 bp
RefSeq ORF:	1488 bp
Locus ID:	54899
UniProt ID:	Q7Z7A4
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	56.2 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]