

Product datasheet for **MC219565**

PIk5 (NM_183152) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIk5 (NM_183152) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PIk5
Synonyms:	6330514A18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219565 representing NM_183152
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCCGGTCCCGGCGCGCGGAGCCGCCAGCTTGTGGCCACCTTCTGCGGACCCAGGCTCGG
 GGCGCGTGTACCGGCGCGGAAGCTGATCGGCAAGGGAGCCTTCAGCCGCTGCTACAAGCTCACGGACAT
 GTCACCACGCGTGTGTTGCTCTTAAGGTGGTCCCAAGGGGCGGAGCGGGGCGGCTGCGCCTGCGCGGG
 AAGGTGGAGCGTGAGATCGCCCTGCACAGCCGCTGCGCCACCGCAACATCGTGGCCTTCCACGCACACT
 TTGCTGACCGGATCACGTGTACATGGTGTGGAGTATTGTAGCCGCCAGGTCCCTCTACAGTCTTGCC
 TCATGTGCTGAAAGTGGCGGACTCTGACAGAGCCTGAAGTGGCTATTACCTTCGGGGCTGGTCAGC
 GGCCTGCGCTACTTGACCAACAACGCATCGTGCACAGGGACCTGAAACCCAGTAATTTCTTCTTAACA
 AGAACATGGAGGTTAAGATAGGTGACCTGGGGTGGCTGCCCGTGTGGGGCTGCTGGTCTGCCACAG
 GGTGCTCTGCGGGACTCCAACTTCCAGGCACCTGAAGTGGTGTCCCGAAATGGACTCTGTGCAAATCT
 GACATCTGGGCTCTGGGATGCATCATGTACACGGTGTGACAGGCACGCCACCCTTTGCCGCGGCACCCT
 TGTGAGAGATGTACAAAACATCCGTGACGGCCACTACCTCGAGCCTACTCACCTGTGCGCCAGCGCCCG
 CAGCCTCATTGCACGGCTCCTGGCACCGGACCCCGCCGAGCGGCCAGCCTGGACCACTTACTGCAAGAT
 GACTTCTTCAGTCAGGGCTTACCCCGGAGCGGCTGCCTCCACATTCCTGCCACAGCCCACCTGTGTTTG
 CCTTCCCCACCTCTGGGCAGGTTGTTCCGGAAGGTGGCCAGCTCCTGCTGACCCAGTGGCGGCCACC
 TTGTCCCTTACCTCAAAGAGGCTCAGGCCCTGGAGAAGAGGGGACAGAACAGACCACATGGAAGCC
 GGCAACGAGGAAAGGGATCCTCTCTGCACCGAGGGCCGAATCCACCTCCTCACCTTTGGGACCCCGCGGA
 CTGGCCTGGCGGGCCAAAAGGGAGCTTGGCTCTGCAGCTGGAAGTGGCAACCAGAAAACGTTCCTCTG
 CTTGGACGAGGACCTATGGCTGGACAGGACCCCGAGGGGAGCAGCGGCTGTTCTCTGGGCTCCTAAG
 TGGGTGGATTACTCCCTCAAGTATGGCTTCGGCTACCAGCTGTGCGATGGGGGAGTGGGGTGTGTTTC
 GGGATGGCTCCACATGGCCCTGCGCCCCAAGGCGGCCATGTCTCCTACCAACCTGACCAAGGGACTCT
 CTGGACCTTACCCTGAGGGAGCTCCCCAGCCACTTCGTGCCAAGCTGGCTGTCTGCGGCTCTTTGCC
 TGCTATATGCAGCGCGTCTGCGGGAGGAGGGGACTGTGCCATGCCTGCCACACCTGCCTCTCTGACA
 TCTCTGCTGAGCTTATTGCTGACTCCAGGCTATGGTCATGTGTTAGCAATGGGACAGTGCAGGT
 CAGCCTCAAACCTCCAAACCCAGCTGGTGTAAAGTGGGAGGACGAGGACCTCCTGCTCACCTCCAG
 GAGCCAGGGGACCCGCTGTGGCGTCTCTACACTCGATGTCTGCGGAGCCATGGCTTACCCTTG
 CAGTCCACCATCACCTGCGCCATGGCCTGCATCTGCTACAGAGTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_183152

Insert Size: 1800 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_183152.3](#), [NP_898975.2](#)

RefSeq Size: 2112 bp

RefSeq ORF: 1800 bp

Locus ID: 216166

UniProt ID: [Q4FZD7](#)

Cytogenetics: 10 C1

Gene Summary: Inactive serine/threonine-protein kinase that plays a role in cell cycle progression and neuronal differentiation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).