

Product datasheet for **RR210574**

Pik3r3 (NM_022213) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pik3r3 (NM_022213) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pik3r3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210574 representing NM_022213
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACAATACGGTGTGGAGTATGGACCGCATGACGCAGACTGGAGGGAGGTGATGATGCCCTATTCGA
 CGAAGTATTTTATATTGAAATGGATCCTCCAGCTCTCCACCAAAGCCACCTAAGCCAGTGACGTC
 AGCAGTTACAAACGGAATGAAGGACTGTTTCGTTCTCTCAAGATGCAGAGTGGTACTGGGAGACAT
 TCCAGGGAAGAGTAAATGACAAATTGCGGACATGCCAGACGGTACTTCTTAGTTCGAGATGCCTCAA
 CAAAAATGCAGGGAGACTATACACTGACTTTGAGGAAGGGAGAAATAATAAATAAATAAGATCTATCA
 TCGGGATGGTAATTATGGCTTTTCTGAGCCCTGACGTTAATTCTGTGGTGGAGCTCATTAACCACTAT
 CACCATGAATCTCTCGCTCAGTACAATCCCAAACCTTGATGTGAAGCTGATGTACCCAGTGTCCAGATACC
 AACAGGATCAGTTGGTAAAAGAAGATAACATTGATGCGGTAGGTAAAAACCTGCAAGAATCCACTCTCA
 GTACCAGGAGAAGAGTAAAGAGTACGATAGGCTGTATGAAGAGTACACCAGGACGTCACAGGAAATACAA
 ATGAAGAGAAGTCCATTGAAGCCTTAAATGAAACGATTAATAATTTGAGGAGCAGTGCATACCCAAG
 AACACACAGTAAAGACTATATTGAGCGGTTTCGCAGAGAGGGGAATGAGAAGGAGATTGAGCGGATTAT
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 TTGAAGAAAACAGCTTTGGACAACCGGAAATAGATAAAAAAATGAATAGCATCAAGCCTGACCTGATCC
 AGCTGCGTAAGATCCGAGACCAGCACCTCGTATGGCTCAATCACAGGGGAGTGAGGCAGAGGCGCCTGAA
 CGCCTGGCTGGGATCAAGAGTGAGGACACAGATGAGAGCTATTTTATCAATGAGGACGATGAGAGCCTC
 CCGCATTATGATGAGAAGACCTGGTTTGTGGAGGATGTGAACCGAGTACAGGCAGAGGACCTGCTTTATG
 GGAAGCCAGACGGTGCATTCTTAATTCTGAGAGTAGCAAGAAAGGATGTTACGCTTGTCTGTGGTTGC
 AGACGGGGAGGTGAAGCCCTGTGTACATACAGCCCTGCTCGAGGATATGGCTTTCAGAAACCTACAAC
 CTGTACGGCTCGCTGAAGGAGCTGGTGTCCACTACCAGCAGACATCCCTGGTCCAGCACAAACGACTCCC
 TCAACGTCAGCTCGCTACCCTGTCCAGCACAGATGCCCTCGCTCTGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210574 representing NM_022213
Red=Cloning site Green=Tags(s)

MYNTVWSMDRDDADWREVMPPYSTELIFYIEMDPPALPPKPPKPVTSAVTNGMKDCFVSLQDAEWYWGDI
 SREEVNDKLRDMPDGTFLVRDASTKMQGDYTLTLRKGNNKLIKIYHRDGNYGSEPLTFNSVVELINHY
 HHESLAQYNPKLDVKLMYPVSRYYQQDQLVKEDNIDAVGKNLQEFHSQYQEKSEYDRLYEEYTRTSQEIQ
 MKRTAIEAFNETIKIFEEQCHTQEQHSKDYIERFRREGNEKEIERIMMNYDKLKSRLGEIHD SKVRLEQD
 LKKQALDNREIDKKMNSIKPDLIQLRKIRDQHLVWLNHRGVRQRRLNAWLGIKSEDTDES YFINEDDES
 PHYDEKTFVEDVNRVQAEDLLYGKPDGAFLIRESSKGCYACSVVADGEVKPCVIYSPARGYGFAEPYN
 LYGSLKELVLHYQQTSLVQHNSLNVTLAYPVHAQMPSLCR

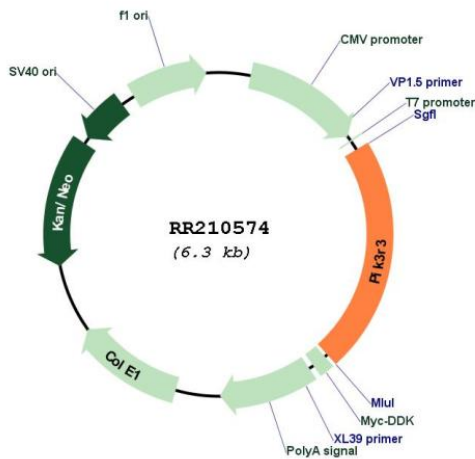
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_022213
ORF Size:	1383 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).
Reconstitution Method:	<ol style="list-style-type: none">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_022213.1 , NP_071549.1
RefSeq Size:	1386 bp
RefSeq ORF:	1386 bp
Locus ID:	60664
UniProt ID:	Q63789
Cytogenetics:	5q35
MW:	54.3 kDa
Gene Summary:	regulatory subunit of phosphatidylinositol 3-kinase, a mediator of various cellular signaling mechanisms; may mediate signaling in brain and muscle [RGD, Feb 2006]