

## Product datasheet for **RC238616**

### PI 3 Kinase p55 gamma (PIK3R3) (NM\_001303427) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PI 3 Kinase p55 gamma (PIK3R3) (NM_001303427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P3R3URF-PIK3R3
Synonyms:	LOC110117498-PIK3R3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238616 representing NM\_001303427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCCATCTCGGCTTGTCCGTGGCCCTCGGCCAGGGCATGCGTTCCTCCCTACCGCAGGCCAGGTA  
 TGGGCTGGCCAGGCCCGATTTCCAGGATGTTCAAGTGTAGCCGCAGAAGATATCAACAGGGTCTCCG  
 AGGTGCAACTGCCAGCAGTGCAGCCATCAATCCTGCCACAGGGCCATGGGTATCAACAACCCCACT  
 GACACCACCATAGTGTGGATCTTCCACCTCAAGCTCTCCACCAAGCCACCTAAGCCAATGACTTCAG  
 CAGTTCACAAATGGAATGAAGGACAGTCTGTCTTCTTCCAGGATGCAGAATGGTACTGGGGGATATTT  
 AAGGGAGGAGTAAATGACAAATGCGGGATATGCCAGATGGGACCTTCTGGTCCGAGATGCCTCAACA  
 AAAATGCAGGGAGATTACTTTGACTTTGCGGAAGGGAGGCAATAATAAGTTAATAAAGATCTATACC  
 GGGATGGTAAATATGGCTTTTCTGATCCTCTGACATTTAATTCGGTGGTGGAGCTCATAACCATATCA  
 CCATGAATCTCTTCTCAGTACAATCCCAAACCTGATGTGAAGCTGATGTACCCAGTGTCCAGATACCAA  
 CAGGATCAGTTGGTAAAAGAAGATAATATTGATGCAAGTAAAGGCAAGTAAAGGCAAGTAAAGGCAAGT  
 ATCAGGAGAAGAGTAAAGAGTATGATAGGCTGTATGAAGAATATACTAGAACATCCAGGAAATACAGAT  
 GAAGAGGACTGCAATAGAAGCTTTTAAATGAAACAATTAATAATTTGAAGAGCAGTGTACACACAAGAA  
 CAACATAGCAAAGATATATTGAGCGATTTTCGAGAGAGGGGAATGAAAAGGAGATTGAACGAATTATGA  
 TGAATTATGATAAATTGAAATCACGCTCTGGGTGAGATTCATGATAGCAAAATGCGTCTAGAGCAGGATTT  
 GAAGAATCAAGCTTTGGACAACCGAGAAATAGATAAAAAATGAATAGCATCAAACCTGACCTGATCCAG  
 CTGGCAAAGATCCGAGATCAACACCTTGTATGGCTCAATCACAAAGGAGTGAGACAGAAACGCCTGAATG  
 TCTGGCTGGGAATTAAGAATGAGGATGCTGATGAGAATTTTTATCAATGAGGAAGATGAAAACCTGCC  
 CCATTATGATGAGAAAACCTGGTTTGTGAGGATATCAATCGAGTACAAGCAGAGGACTTGCTTTATGGG  
 AACCTGATGGTGCATTCTTAATTCGTGAGAGTAGCAAGAAAGGATGCTATGCTTCTGTGGTGGCCG  
 ATGGGGAAGTGAAGCACTGTGTGATCTACAGCACTGCTCGGGGCTATGGCTTTGCAGAGCCCTACAACCT  
 GTACAGCTCTCTGAAGGAGCTAGTGTCCATTACCAGCAGACATCCTTGGTTCAGCACACGACTCCCTC  
 AACGTCAGGCTTGCTACCCTGTTCATGCACAGATGCCCTCGCTTGCAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238616 representing NM\_001303427  
 Red=Cloning site Green=Tags(s)

MGPSRLVRGPRPQGMRSFYRRPGMWPRPRFPRMFKCSRRRYQQGLRGRTASSAAINPATRAMGINNHT  
 DTTIIVWIFPPQALPPKPKPMTSAVPNGMKDSSVSLQDAEWYWGDI SREEVNDKLRDMPDGTFLVRDAST  
 KMQGDYTLTLRKGGNNLKIYHRDGKYGFSDPLTFNSVVELINHYHHESLAQYNPKLDVKLMYPVSRYP  
 QDQLVKEDNIDAVGKKLQEQYHSQYQEKSEYDRLYEEYTRTSQEQIMKRTAIEAFNETIKIFEEQCHTQE  
 QHSKEYIERFRREGNEKEIERIMMNYDKLSRLGEIHDSKMRLEQDLKNQALDNREIDKKMNSIKPDLIQ  
 LRKIRDQHLVWLNHGVRQKRLNVWLGIKNEDADENYFINEEDENLPHYDEKTFWVEDINRVQAEDLLYG  
 KPDGAFLIRESSKGCYACSVVADGEVHKCVIYSTARGYGAEPYNLYSSLKELVLHYQQTSLVQHNDL  
 NVRLAYPVHAQMPSLCR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

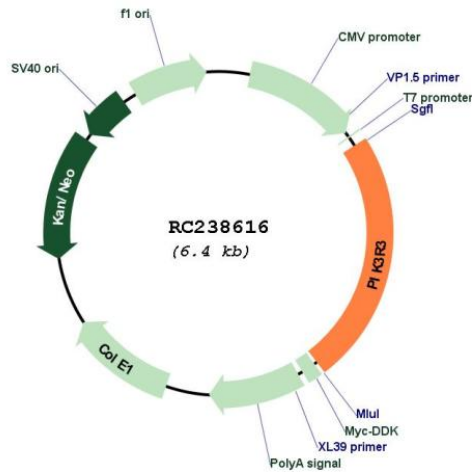
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001303427

ORF Size: 1521 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:**

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\\_001303427.2](#)

**RefSeq Size:** 5098 bp

**RefSeq ORF:** 1524 bp

**Locus ID:** 110117499

**MW:** 59.8 kDa

**Gene Summary:** This locus represents naturally occurring readthrough transcription between the neighboring genes LOC110117498 and PIK3R3. The readthrough transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Apr 2017]