

## Product datasheet for **RG238616**

### 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:	TurboGFP
Symbol:	PI 3 Kinase p55 gamma
Synonyms:	LOC110117498-PIK3R3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238616 representing NM\_001303427.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGGCCATCTCGGCTTGTCCGTGGCCCTCGGCCAGGGCATGCGTTCCCCCTACCGCAGGCCAGGT
ATGGGCTGGCCAGGCCCGATTTCCAGGATGTTCAAGTGTAGCCGAGAAGATATCAACAGGGTCTC
CGAGGTCGAAGTCCAGCAGTGCAGCCATCAATCCTGCCACCAGGGCCATGGGTATCAACAACACCAC
ACTGACACCACCATAGTGTGGATCTTCCACCTCAAGCTTCCACCAAAGCCACCTAAGCCAATGACT
TCAGCAGTTCCAAATGGAATGAAGGACAGTTCTGTTTCTTTCAGGATGCAGAATGGTACTGGGGGAT
ATTTCAAGGGAGGAGGTAATGACAAATGCGGGATATGCCAGATGGGACCTTCTTGGTCCGAGATGCC
TCAACAAAAATGCAGGGAGATTACTTTGACTTTGCGGAAGGGAGGCAATAATAAGTTAATAAAGATC
TATCACCGGGATGTAATATGGCTTTTCTGATCCTCTGACATTAATCCGTGGTGGAGCTCATTAAAC
CACTATCACCATGAATCTTGGCTCAGTACAATCCAACTTGATGTGAAGCTGATGATCCAGTGTCC
AGATACCAACAGGATCAGTTGGTAAAAGAAGATAATATTGATGCAGTAGGTAATAAACTGCAAGAATAC
CACTCTCAGTATCAGGAGAAGAGTAAAGAGTATGATAGGCTGTATGAAGAATATACTAGAACATCCAG
GAAATACAGATGAAGAGGACTGCAATAGAAGCTTTTAATGAAACAATTAATAATTTGAAGAGCAGTGT
CACACACAAGAACAACATAGCAAAGAATATATTGAGCGATTTCCGAGAGAGGGGAATGAAAAGGAGATT
GAACGAATTATGATGAATTATGATAAATGAAATCACGCTCGGGTGGAGTTCATGATAGCAAAATGCGT
CTAGAGCAGGATTTGAAGAATCAAGCTTTGACAACCGAGAAATAGATAAAAAATGAATAGCATCAAA
CCTGACCTGATCCAGCTGCGAAAGATCCGAGATCAACACCTTGTATGGCTCAATCACAAGGAGTGAGA
CAGAAACGCCTGAATGTCTGGCTGGGAATTAAGAATGAGGATGCTGATGAGAATTTTTATCAATGAG
GAAGATGAAAACCTGCCCATTTATGATGAGAAAACCTGGTTTGTGAGGATATCAATCGAGTACAAGCA
GAGGACTTGCTTTATGGGAAACCTGATGGTGCATTCTTAATTCGTGAGAGTAGCAAGAAAGGATGCAT
GCTTGCTCTGTGGTGGCCGATGGGGAAGTGAAGCACTGTGTGATCTACAGCACTGCTCGGGCTATGGC
TTTGCAGAGCCCTACAACCTGTACAGCTCTCTGAAGGAGCTAGTGTCCATTACCAGCAGACATCCTTG
GTTCCAGCACACGACTCCCTCAACGTCAGGCTTGCTACCTGTTTCATGCACAGATGCCCTCGCTTGGC
AGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
  
```

**Protein Sequence:**

>Peptide sequence encoded by RG238616  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MGPSRLVRGPRPQGMRSFYRRPGMGWPRPRFPRMFKCSRRRYQQGLRGRTASSAAINPATRAMGINNTH
TDTTIVWIFPPQALPPKPPKPMTSAPVNGMKDSSVSLQDAEWYWGDI SREEVNDKLRDMPDGTFLVRDA
STKMQGDYTLTLRKGGNNKLIKIYHRDGKYGFSDPLTFNSVVELINHYHESLAQYNPKLDVKLMYPVS
RYQQDQLVKEDNIDAVGKQLQEYHSQYQEKSEYDRLYEEYTRTSQEIQMKRTAIEAFNETIKIFEEQC
HTQEQSKEYIERFRREGNEKEIERIMMNYDKLSRLGETHDSKMRLEQDLKNQALDNREIDKMKNSIK
PDLIQLRKIRDQHLVWLNHKGVRQRLNVWLGKINEDADENYFINNEEDENLPHYDEKTFWVEDINRVQA
EDLLYGKPDGAFLIRESSKKGACYACSVVADGEVKHCVIYSTARGYFAEPYNLYSSLKELVLHYQQTSL
VQHNSLNVRLAYPVHAQMPSLCR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**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).

**RefSeq:** [NM\\_001303427.2](#)

**RefSeq Size:** 5098 bp

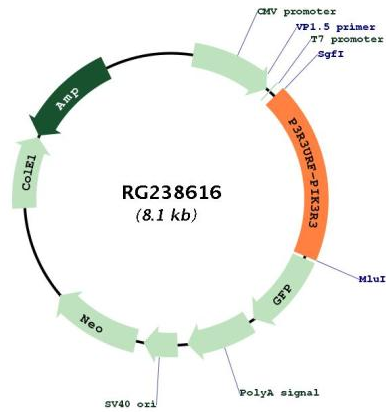
**RefSeq ORF:** 1524 bp

**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]

Product images:



Circular map for RG238616