

## Product datasheet for **SC216244**

### **PIK3R5 (NM\_014308) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PIK3R5 (NM_014308) Human 3' UTR Clone
Symbol:	PIK3R5
Synonyms:	F730038I15Rik; FOAP-2; p101; P101-PI3K
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014308
Insert Size:	1758 bp



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**Insert Sequence:** >SC216244 3' UTR clone of NM\_014308  
 The sequence shown below is from the reference sequence of NM\_014308. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TTCTCTGCCTGCCATCATGACTTTCAGTGGAGCTCTGCC**TAG**TGTGGGCCAGCGCCAGACTGGACAG  
 AAGCCCTGGGGCAACCTCCTCGGCCACCCCTCCAGGACAGTCCCTCTCTGTGGAGAACTGAATGGCCCTG  
 TGCAGAGCCATAGTCCCCTGTGGGCTCTGCAATGAGCAGGGGCTGGGAGTAGAGGGTTTCTGGGCCTC  
 AGGGTTCTGGGAAAGCAACAGCTATCAGAGAGAGAAGGGCCAGACCCCATAGCCTCTTAGATTCTGGCA  
 GTAGAAGGAGAAGGATGGGTAATTGACCTCTGAAGTCCCTGACCATTAGCATGGTCTAGGATCCTTTCT  
 AGAAGGAAGATCTGAGGCTCTGGTCTCAGGGGATGGCTTGGCCCTTTCTCTCAACCTTGGCTGAGCC  
 TACCCCTTACTTTGCCAAAGACTTGAGGACCCTGTATGTCTGGAGTTCAGTCCCCTCCTCTGTGGGGCTC  
 AGGTGATTGAAATGTGGATGAAACATTTCTCTACTTCAAGACCACCTCTCCCTGCAAACACCACACACAC  
 ATGGCATGCATGTACGCACATGCGCACACACACACGACACACCTCAATAATTTCTCTCAAGTTTCTGA  
 GTCTCCAGAAAAACAGCACTAACGCTGGACCTGTCTACTCTCAGAACCCGGCACAGATTCTCTTGATC  
 TCCTTTTGAATCTGAGATTCTTAGAAGACAGGATAGGGTTAAATTTAGTAGCAGCTCAGTTCTAGCTAA  
 ATCACTAGAGGAAGTTAATTAACCTTAAAGCCTTCAATTTCTCCAGCACTAAAATGGAGTGGAGAGTTGGGG  
 TGGAAAAGACATCCTTAAAGGTTAAATTGTCTGCAAAGCACCTAGCCAGTGGCAGCTCCAGTAG  
 GTGTTCCAGTAAAGCTTAGTGCCTGACTTCTGAACACTGATTCCTCCTGTTGGAGTCACTGGGATACTC  
 TCATTGCCGTTGGGATGTTCTCACTCCTTCCAGTTCGTGGCTGAGGCAGAACCCAGACTGAAGAGGGA  
 AGAGACATTCAGAGGAGGATTGCCTTGTCTCAGGGTAAGGGTGGGCTGCTCAGGGGCCCTACCCTTAC  
 CCCCTTGTATCAGATTGGCCCTCCCACTCCCATCTCACTCTGCGTGTACAATCTTCCATATCCGCAAG  
 TTCCTGGCACTCTTCTGGCACCTGGGCAAGATCCAGAACAGAGGATGGAGTACTGGCCTCACAGAGC  
 TTAGTGCCCGACTCAGGGGAAATGGGACTGGTGCATGGGAAATGGTCAGCCTAGGATAGGACACGAGAGT  
 CTGAAATTCAAAGCAACCAGCTTGAAGTGGTTTGAAGAAGCTGGAAGCAAACATGGGCTAGAGAGATAGGG  
 CAGAAGTCAAGACGAGGATCTGGACTGATGTGGAGAAAGTAGCCACGGAAGCATGAAGTGTATCCTGCAC  
 AAGTCCCTCTTCCCGCCTCCTAATTCATTATGCCCAAAGGCCTTACGTGAAATTCAGCCCAGAGTA  
 CTCATGACTTGAGAGACGTGGACAGAGCCAGCTTCTACCTTGCCTGGCCGTCTCTCCCTGTCTTAATGT  
 CTGCTCTTGTCTAAGCTCCAGAAGAGTGGCGGCCATGTATCTCAATATGTTTTGTGTATGGGCAG  
 GTTGTCTTATTATGTGATCAACAGATGTCCAGGAACTAATGAGTGAATTTAATATTATTGTCAAATAAA  
 ACTTGATT

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_014308.3](#)

**Summary:**

Phosphatidylinositol 3-kinases (PI3Ks) phosphorylate the inositol ring of phosphatidylinositol at the 3-prime position, and play important roles in cell growth, proliferation, differentiation, motility, survival and intracellular trafficking. The PI3Ks are divided into three classes: I, II and III, and only the class I PI3Ks are involved in oncogenesis. This gene encodes the 101 kD regulatory subunit of the class I PI3K gamma complex, which is a dimeric enzyme, consisting of a 110 kD catalytic subunit gamma and a regulatory subunit of either 55, 87 or 101 kD. This protein recruits the catalytic subunit from the cytosol to the plasma membrane through high-affinity interaction with G-beta-gamma proteins. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found. [provided by RefSeq, Oct 2011]

**Locus ID:**

23533