

Product datasheet for **SC216245**

PIK3R5 (NM_001142633) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PIK3R5 (NM_001142633) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PIK3R5
Synonyms:	F730038I15Rik; FOAP-2; p101; P101-PI3K
ACCN:	NM_001142633
Insert Size:	1758 bp



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Insert Sequence: >SC216245 3' UTR clone of NM_001142633
 The sequence shown below is from the reference sequence of NM_001142633. 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
 TGCAGAGCCATAGTCCCCTGTGGGCTGCAATGAGCAGGGGCTGGGAGTAGAGGGTTTCTGGGCCTC
 AGGGTTCTGGGAAAGCAACAGCTATCAGAGAGAGAAGGGCCAGACCCCATAGCCTCTTAGATTCTGGCA
 GTAGAAGGAGAAGGATGGGTAATTGACCTCTGAAGTCCCTGACCATTAGCATGGTCTAGGATCCTTTCT
 AGAAGGAAGATCTGAGGCTCTGGTGTCTAGGGGATGGCTTGGCCCTTTCTCTCAACCTTGGCTGAGCC
 TACCCCTTACTTTGCCAAAGACTTGAGGACCCTGTATGTCTGGAGTTCAGTCCCCTCCTCTGTGGGGCTC
 AGGTGATTGAAATGTGGATGAAACATTTCTCTACTTCAAGACCACCTCTCCCTGCAAACACCACACACAC
 ATGGCATGCATGTACGCACATGCGCACACACACACGACACACCTCAATAATTTCTCTCAAGTTTCTGA
 GTCTCCAGAAAAACAGCACTAACGCTGGACCTGTCTACTCTCAGAACCCGGCACAGATTCTCTTGATC
 TCCTTTTGAATCTGAGATTCTTAGAAGACAGGATAGGGTTAAATTTAGTAGCAGCTCAGTTCTAGCTAA
 ATCACTAGAGGAAGTTAATTAACCTTAAAGCCTTCAATTTCTCCAGCACTAAAATGGAGTGGAGAGTTGGGG
 TGGAAAAGACATCCTTAAAGGTTAAATTGTCTGCAAAGCACCTAGCCAGTCCGAGCTCCAGTAG
 GTGTTCCAGTAAAGCTTAGTGCCTGACTTCTGAACACTGATTCCTCCTGTTGGAGTCACTGGGATACTC
 TCATTGCCGTTGGGATGTTCTCACTCCTTCCAGTTCGTGGCTGAGGCAGAACCCAGACTGAAGAGGGA
 AGAGACATTCAGAGGAGGATTGCCTTGTCTAGGGTAAGGGTGGGCTGCTCAGGGGCCCTACCCTTAC
 CCCCTTCTGTATCAGATTGGCCCTCCACTCCCATCTCACTCTGCGTGTACAATCTTCCATATCCGCAAG
 TTCCTGGCACTTCTGGCACCTGGGCAAGATCCAGAACAGAGGATGGAGTACTGGCCTCACAGAGC
 TTAGTGCCCGACTCAGGGGAAATGGGACTGGTGCATGGGAAATGGTCAGCCTAGGATAGGACACGAGAGT
 CTGAAATCAAAGCAACCAGCTTGAAGTGGTTTGAAGAAGCTGGAAGCAAACATGGGCTAGAGAGATAGGG
 CAGAAGTCAAGACGAGGATCTGGACTGATGTGGAGAAAGTAGCCACGGAAGCATGAAGTGTATCCTGCAC
 AAAGTCCCTCTTCCCGCCTCCTAATTCATTATGCCAAAAGGCCTTACGTGAAATCCAGCCCAGAGTA
 CTCATGACTTGAGAGACGTGGACAGAGCCAGCTTCTACCTTGCCTGGCCGTCTCTCCCTGTCTTAATGT
 CTGCTCTTGTCTAAGCTCCAGAAGAGTGGCGGCCATGTATCTCAATATGTTTTTGTGTATGGGCAG
 GTTGTCTTATTATGTGATCAACAGATGTCCAGGAACTAATGAGTGAATTTAATATTATTGTCAAATAAA
 ACTTGATT

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

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_001142633.1](#)

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