

Product datasheet for **SC301482**

PIK3R6 (NM_001010855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PIK3R6
Synonyms:	C17orf38; HsT41028; p84 PIKAP; p87(PIKAP); p87PIKAP
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_001010855 edited
 GCACAGTCAAGACCACAGACACCCGTGGAGGCTCCCCAAGACATCTGCTTCTCTGGGAC
 TGGGGACCTCGCTCAGGACCGTGGGGAGTTGGCTGAAGGACTTGGGAGCCAGAAAGCTG
 CCACCGAACCAGAACCACTCTGTGCAGAAAAGCAACCACCTTGTCTCTATTCTGCTG
 CCCGAGACAACCATCTCTCTCTCTACACCAAAGGCTCCCATGGAGAGCTCAGATG
 TGGAGCTGGACCTCCAGAGGAGCGTGCAGGCTGTGCTCCGGGAGCTCAGCACCCAGGCC
 CTGCCCTGCAGAGCAACCAAGGCATGTGGAGGTGGTCCCTGCACAAGAAGTCGAGCGAG
 ATCCCCGGTAAGAGCCAGTGTGCTCCGCACTTCTCTCAGAGAACTGGAGAAGGCGGAAA
 GCCAGGACCTCCGGCATGTATCATTCCCTTGTGTCACACTGTAATGTACGTGCTCACCA
 AGGCCACAGGAATCACAGAAGAGCTCTACCAGAGAATCTATGCCTTTTGACAAGGTTAC
 TGACCTTGGCCACCCCTACTGCACAGTCGCCTTGGACTGCGCGATAAGGCTGAAAACGG
 AGATGGCTGTCCAGGGACACTGTACCAAGGATGGTCATTGCCGAACAGAACTTGACGA
 ATGAGCTGTATCCCTACCAGGAGAGAGTGTCTCTTCTGATGCTGAGCTGGTGTCTG
 CGTCTGTGTGACGTGCTGCTACTGGAGATCGAGGCGGCCAGGCGCAGCAGACACCAG
 AGACCTGCATGCGCCACGTGGTCTCCACGCCCCTGCAGGCGGCTCTGGGGAGGCGCTGTC
 ACGCAGGCGCTCTGCACAGGAAGCTGCAGGCCAGCCCTCGCCGACCCCTGGAGCACTATT
 TCCACGCCGTGGTGGCCGCTTGGAGCAGATGGCCAGCGAGGCCAGCCGAGCCGGGAGG
 GACACGTAGAGAGGCTGGAGGAGATTTACTGCTCGTGTGGTCCCGCGGCGGGCGCT
 GCGGTGGTGACCTTGTCCAAGAGCGGCCACCAAGCATTCCCTGCCAGCCCTACATCA
 CCTTCCACTTGTGGACCGGTGAGGAGCAGCTCTGGAAGGAAGTGGTGTCTTCTCCGCC
 CAAGATCCCAGCTGCGCCTCAGTGTGACTTGGAGGTCTTGATCTGCAGGGCCTCCGGC
 CGGACCGGGAGTTGGCCGGGTTTCTGTGCTGTCCACTGACAGCGGCATTGAGCGGGACC
 TTCCACGCGGGCTGATGAGCTGCCTGCACCCGCGAGCCCTGAGATGGAGCGAGCCGGGC
 TGCAGCGCAAGGGGGCATCAAGAAGCGTGCATGGCCCTGGACTTCTTGATGCCTGGCA
 GCTGGGACGGGCCCCAGGGCTGCACCGGAGGACAGGCCGGCCAGTGGGGATGGGAAA
 TGCTGCCCGGCGTGTCCCGGCTGCACACAGCCCGGTACTTGTGCTCGGAGATGACAGGA
 TGCTGGGGCGCTTGGCCAGGCCTACCACAGACTCAGGAAACGGGAGACCCAGAAATTCT
 GGCTCACTCCAGACTCAGCCTGCAGCTCTACTACATCCCCGTGCTGGCGCTGAGAAGC
 CTGCAGCATCCAGGCAGCCGAGCTGGGAGAGCTGGCTACGTTCTGGGCGCGTAGACC
 CGTGGTACCAGAGCAACGTCAACACGCTGTGCCCGCCATCCACAAGCTGGCTGAGATGC
 CTCCTTCCCTGGACACATCCCGGACTGTGGACCCCTTATCCTAGACGTATCACCTACT
 ACATCCGCATGGGCACCAACCCATCTATTTCCAGATCTACACAGTCAAGATCTTTTCA
 GTGACCTGAGCCAAGACCTACTGAGGACATTTTCTCATTGAACTGAAGGTGAAGATCC
 AAGATTCTAAATCCCCAAAGATGGCTTTTACCCAGGAGGAGAGGCGTGGCTGAGGGCC
 CAGGGGCAGAGCTCTCCCTATGCTACCAGAAGGCCTTGGCTTAGCCACCGGCCCGAGAGG
 TCACCGTTTCCCTGCGGGCCACTGGGCTGATCCTGAAGGCCATTCCAGCCAGCGACACAG
 AAGTTTCAGGGTCTAGCCATTGCCCTGCTGCTGCTGCTGTACAGACCACACATGTC
 TGAATGTCAACGTGACAGAGGTTGTCAAGTCTCCAATTGGCGGGAAGTCTTCTCTA
 CAGTGACCAACACCTTCAGGACGAACAATATCCAGATCCAGAGCCGGGACCAGAGGCTGC
 TGACACTGTGCTGGACAAGGACGATCAACGCACTTTAGGGATGTGGTCAGATTGAGG
 TTGCTCCCTGCCAGAACCATGTTCTGGGGCCAGAAGTCCAAGGCACCGTGGCTCAATT
 TGATGGGCAACAGGAGGTGGAAGCAATCAAAGCCAAGCCCAAGCCCTTCTGATGCCCA
 TCAACACATTCTCTGGTATTGTCCAGTGAGCTGCAGGGACAGAGGCCAGGAGGAAGG
 ATACACTACCCCACTCAAACTCAACCAACAGCCAGAGCAAGGCCCGGCTCCA
 CACGGCAGCTTTGGCCTTGACCAGGAGCCAGCGAGTGCCTGGGAGCACGGGGAGCCTACC
 CTGGGACTGTGATGAGGAAGGGCCACATGGAGGTCTACGGATGGCCAGGCAATGCTG
 TCGCTGCTTGAGAACATACACCAAGCCAGCTTCTCATAAAATGTCTACTCCTTCAT
 TTAGCTTCAATTCCCACTTCTCCCACTGTCTCTCCCAAGCTCCCATCCAGCCCT
 TAAACACAGGGTTAAAGCTGCTGTCTTGGCCAGAGCCCTGTGGCCTAGGGGAAAATTGGA
 AGCAAGGAACAGCAACAGCACCTCCCTCCCAAGTCTTCCCTTCCCACTCTCAGGC
 CACTGCCACCTCACTCAGCCAGGAGGTGTCTCTATCAGGTGAGAGAAAAATGTCAGA
 CTCATAAATGTACTGAAGTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_001010855
Insert Size:	3100 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001010855.1.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001010855.1</u> , <u>NP_001010855.1</u>
RefSeq Size:	2265 bp
RefSeq ORF:	2265 bp
Locus ID:	146850
UniProt ID:	<u>Q5UE93</u>
Cytogenetics:	17p13.1

Gene Summary:

Phosphoinositide 3-kinase gamma is a lipid kinase that produces the lipid second messenger phosphatidylinositol 3,4,5-trisphosphate. The kinase is composed of a catalytic subunit and one of several regulatory subunits, and is chiefly activated by G protein-coupled receptors. This gene encodes a regulatory subunit, and is distantly related to the phosphoinositide-3-kinase, regulatory subunit 5 gene which is located adjacent to this gene on chromosome 7. The orthologous protein in the mouse binds to both the catalytic subunit and to G(beta/gamma), and mediates activation of the kinase subunit downstream of G protein-coupled receptors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Transcript Variant: This variant (1) encodes the longer isoform (1).