

Product datasheet for **SC204863**

PI 3 Kinase Class 3 (PIK3C3) (NM_002647) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PI 3 Kinase Class 3 (PIK3C3) (NM_002647) Human 3' UTR Clone
Symbol:	PI 3 Kinase Class 3
Synonyms:	hVps34; VPS34; Vps34
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002647
Insert Size:	2000 bp



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Insert Sequence: >SC204863 3'UTR clone of NM_002647
 The sequence shown below is from the reference sequence of NM_002647. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACAAAGTTTGCCAGTACTGGAGAAAATGAAACTGGGATTGACCCATCAAGATGCTTGGCTCAATAAGA
AAACCACGTTAGGAGCAACCTTTGTATATTGGAGACTTCAGAGTAACCAGCAAGGAAGAGAAATCTTAA
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TTTCTCTTACAAATAATTAATTTTTTGTAACTACAGTTAATAGTTCTTCTAGCTTGTAAAGTGTGTAAG
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TATCATCTTACTCGTCTTTATAAACTCCACAGCACTCTGCATAGATATGACCATGTTTATAAGGAACTC
AATAAATAATTTTACACAAACATGAAATTTCTAGAAGGGCAGACACTGACAACTAGTAAGGAAGTTGAT
CATGAGTAACTTTGTATTCAGTGCCACCTTAACAAGAATTGTAAGAGGATAAACCTTTCTAGGAAGGT
TGATGCGTGTGGGTGAGGAAGGAGCATCTCTCAGGAGGGTAAACAGTAGCTGTGGTTTTGCTGAGAG
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_002647.4](#)

Summary:

Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123, PubMed:20208530). Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for transport from early to late endosomes (By similarity).[UniProtKB/Swiss-Prot Function]

Locus ID:

5289

MW:

77.9