

Product datasheet for **SC300319**

PIM3 (NM_001001852) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIM3 (NM_001001852) Human Untagged Clone
Tag: Tag Free
Symbol: PIM3
Synonyms: pim-3
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001001852 edited
 ATGCTGCTCTCCAAGTTCGGCTCCCTGGCGCACCTCTGCGGGCCCGCGCGTGGACCAC
 CTCCCAGTGAAGATCCTGCAGCCAGCCAAGGCGGACAAGGAGAGCTTCGAGAAGGCGTAC
 CAGGTGGGCGCCGTGCTGGGTAGCGGCGCTTCGGCACGGTCTACGCGGTAGCCGCATC
 GCCGACGGGCTCCCGGTGGCTGTGAAGCACGTGGTGAAGGAGCGGGTGACCGAGTGGGGC
 AGCCTGGGCGGCGGACCGTGGCCCTGGAGGTGGTGTGCTGCGCAAGGTGGGCGCGGGC
 GGCGGCGCGCGCGGTGTCATCCGCCTGCTGGACTGGTTCGAGCGGCCGACGGCTTCTG
 CTGGTGTGGAGCGGCCGAGCCGGCGCAGGACCTTTCGACTTATCACGGAGCGCGGC
 GCCCTGGACGAGCCGCTGGCGCGCCGCTTCTTCGCGCAGGTGCTGGCCGCGTGCGCCAC
 TGCCACAGCTGCGGGTCTGTCACCGCGACATTAAGGACGAAAATCTGCTTGTGGACCTG
 CGCTCCGAGAGCTCAAGCTCATCGACTTCGGTTCGGGTGCGCTGCTCAAGGACACGGTC
 TACACCGACTTCGACGGCACCCGAGTGTACAGCCCCCGAGTGGATCCGCTACCCCGC
 TACCACGGGCGCTCGGCCACCGTGTGGTGTGCTGGGCGTGTCTCTACGATATGGTGTGT
 GGGGACATCCCCTTCGAGCAGGACGAGGAGATCCTCCGAGGCCGCTGCTCTCCGGAGG
 AGGGTCTCTCCAGAGTGCCAGCAGCTGATCCGGTGGTGCCTGTCCCTGCGGCCCTCAGAG
 CGGCCGTGCTGGATCAGATTGCGGCCCATCCCTGGATGCTGGGGGTGACGGGGGCGCC
 CCGGAGAGCTGTGACCTGCGGCTGTGCACCCTCGACCCTGATGACGTGGCCAGCACCACG
 TCCAGCAGCGAGAGCTTGTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001001852 unedited
 GTTCGGATTTGTATACGACTCATATAGGCGGCNCGCAATTCGCACGAGGGCGCCTGGGG
 CTCGGGGCTCCGGGGAGGCCGTGCGCCGCGATGCTGCTCTCCAAGTTCGGCTCCCTGGCG
 CACCTCTGCGGGCCCGCGGCGTGGACCACCTCCCGGTGAAGATCCTGCAGCCAGCCAAG
 GCGGACAAGGAGAGCTTCGAGAAGGCGTACCAGGTGGGCGCCGTGCTGGGTAGCGGCGGC
 TTCGGCACGGTCTACGCGGGTAGCCGCATCGCCGACGGGCTCCCGGTGGCTGTGAAGCAC
 TTGGTGAAGGAGCGGGTGACCGAGTGGGGCAGCCTGGGCGGCGGACCGTGCCCCTGAG
 GTGGTGTGCTGCGCAAGGTGGGCGCGGGCGGCGCGCGGGCTCATCCGCCTGCTG
 GACTGGTTCGAGCGGCCGACGGCTTCCTGCTGGTGTGAGCGGCCGAGCCGCGCGCAG
 GACCTCTTCGACTTTATCACGGAGCGCGGCCCTGGACGAGCCGCTGGCGCGCCGCTTC
 TTCGCGCAGGTGCTGGCCGCGTGCCTGCGCCACTGCCACAGCTGCGGNGTCGTGCACCGCGAC
 ATTAAGGACGAAAATCTGCTTGTGGACCTGCGCTCCGGAGAGCTCAAGCTCATCGACTTC
 NGGTTCCGGTGCCTGCTCAAGGACACGGTCTACACCGACTTCGACGGCACCCGAGTGTA
 CAGCCCCCGGNAGTGGATCCGCTACCACCGCTACCACGGGCGCTCGGCACCGTGTGGTC
 GCTGGGCGTGTCTCTCATATGGTGTGTGGGGGACATNCCCTTACGACGACGNAGAGAT
 CCTCCGAGGCGCTGTCTCCGNGGGGAGGTCTTTTCAAGTGCCAGTGAACCCGCGGGGG
 CTGTCCTGCGCTCAAAGCCGCGCTGGGCACAATATGGGCATCTGTGCGGGGGGTCAA
 GGGCCCCAAAACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001001852 unedited
 NCGGTATTACTATGNACCGCGGCCGCAATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTC
 ACTATGTACAAAAACATTTTAAATTGAAATACCTGTATAAAAAAATGATCTCCAGACATC
 TCACTTTTGAAGTAAAGAACCCCATCTGCGATGCCTGCACACACCGCATTACACAAA
 CACAGGTACTGAATAAATTAACGCTCAGGCTCTGGCCCCACCCAGCTTCAGAGCCCA
 CAAGCAGACTGTACAAAGTCAATAATTTAAACCCAAACCTGGGCACAGTGCCTGGAAG
 TGTCAAGGTACCCACTCCCTTAAGTTAGCCACTATACATGTTTCATCTTCTGACAGGCG
 GGGCCAGGACAGACGCCAGGCACAGGAATCAGGGCCTGGGGTCCCTGGACCACAGCCACC
 CCCTCCCTGCCTCCCACTGTCCCTGGGGCTTGGGAGAGGCAGACTGCTCAGAGGAAA
 TAACCTCAACAAATAAATTAACAATAAATAGCCCCGGTGGGCCGAGGGCACCTCCAGGG
 GGTCACACCATAAATAACAGAGTTGGCGCGGGTACGGCTCGCGTGGGCGGGCGGGCGCG
 GAGGCCAGGACTTGCAATTGTGTGTGCAGGACGTGCCAGACGACACCCGAGGACTGAGG
 GCGGGAGGTGGCTTGGGACCCTGCGCCGCGGAAAGAGCTCCCGGTGGGCAGGCAGATG
 GGAAAGCCGCTTCGACACAGCAGCACAGAAGGGCGTCTGGGGTTCAAGTATCCACCCA
 GGGCAGGCGGGACCTCGACCGAAGCGTCTTTGGACAGACAGAGCTTGAGAAAAAAGTCC
 CGCGGGAACCACGTTTAAAGGCACTCAAACCGAAGTACCAGGGGTGAGAGGTCAGTCT
 CTCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_001001852

Insert Size:

2000 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none"> 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.
RefSeq:	NM_001001852.2 , NP_001001852.1
RefSeq Size:	2392 bp
RefSeq ORF:	981 bp
Locus ID:	415116
UniProt ID:	Q86V86
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is overexpressed in hematological and epithelial tumors and is associated with MYC coexpression. It plays a role in the regulation of signal transduction cascades, contributing to both cell proliferation and survival, and provides a selective advantage in tumorigenesis. [provided by RefSeq, Jun 2012]