

Product datasheet for SC115825

PIM2 (NM_006875) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIM2 (NM_006875) Human Untagged Clone
Tag: Tag Free
Symbol: PIM2
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF:

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>OriGene ORF sequence for NM_006875 edited
ATGTTGACCAAGCCTCTACAGGGCCTCCCGGCCCCCGGGACCCACGCCGCCCA
GGAGGCAAGGATCGGGAAGCGTTCGAGGCCGAGTATCGACTCGGCCCTCCTGGGTAAG
GGGGGCTTTGGCACCGTCTTCGACAGGACCCGCTCACAGATCGACTCCAGGTGGCCATC
AAAGTGATTCCCCGGAATCGTGTGCTGGGCTGGTCCCCCTTGTCAGACTCAGTCACATGC
CCTCGAAGTCGCACTGCTATGGAAAGTGGGTGCAGGTGGTGGGCACCCTGGCGTGATC
CGCCTGCTTGACTGGTTTGAGACACAGGAGGGCTTCATGCTGGTCTCGAGCGGCCTTTG
CCCGCCAGGATCTTTTGACTATATCACAGAGAAGGGCCCACTGGGTGAAGGCCAAGC
CGCTGCTTCTTTGGCCAAGTAGTGGCAGCCATCCAGCACTGCCATTCCCGTGGAGTTGTC
CATCGTGACATCAAGGATGAGAACATCCTGATAGACCTACGCCGTGGCTGTGCCAACTC
ATTGATTTGGTTCTGGTGCCCTGCTTCATGATGAACCCTACACTGACTTTGATGGGACA
AGGGTGTACAGCCCCCAGAGTGGATCTCTCGACACCAGTACCATGCACTCCCGGCCACT
GTCTGGTCACTGGGCATCCTCCTATGACATGGTGTGTGGGACATTCCCTTTGAGAGG
GACCAGGAGATTCTGGAAGCTGAGCTCCACTTCCCAGCCCATGTCTCCCAGACTGCTGT
GCCCTAATCCGCCGGTGCCTGGCCCCAAACCTTCTCCCGACCCTCACTGGAAGAGATC
CTGCTGGACCCCTGGATGCAAACACCAGCCGAGGATGTACCCCTCAACCCTCAAAGGA
GGCCCTGCCCTTTGGCCTGGTCTTGCTACCCTAA
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[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006875 unedited
 GTCAAATTTTNGTAATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGATGTTGAC
 CAAGCCTCTACAGGGGCTCCCGCGCCCCCGGGACCCCCACGCCCGCCAGGAGGCAA
 GGATCGGGAAGCGTTCGAGGCCGAGTATCGACTCGGCCCTCTGGGTAAGGGGGGCTT
 TGGCACCCTTTCGCAGGACACCGCCTCACAGATCGACTCCAGGTGGCCATCAAAGTGAT
 TCCCCGGAATCGTGTGCTGGGCTGGTCCCCCTTGTGAGACTCAGTCACATGCCACTCGA
 AGTCGCACCTGCTATGAAAGTGGGTGCAGGTGGTGGCACCCCTGGCGTGATCCGCTGCT
 TGACTGGTTTGAGACACAGGAGGCTTCATGCTGGTCTCGAGCGGCCTTTGCCCGCCA
 GGATCTCTTTGACTATATCACAGAGAAGGGCCACTGGGTGAAGGCCAAGCCGCTGCTT
 CTTTGGCCAAGTAGTGGCAGCCATCCAGCACTGCCATTCCCGTGGAGTTGTCCATCGTGA
 CATCAAGGATGAGAACATCCTGATAGACCTACGCCGTGGTGTGCCAACTCATTGATTT
 TGGTTCTGGTGCCTGCTTCATGATGAACCCTACACTGACTTTGATGGGACAAGGGTGTA
 CAGCCCCCAGAGTGGATCTCTCGACACCAGTACCATGCACTCCCGGCCACTGTCTGGTC
 ACTGGGCATCCTCTCTATGACATGGTGTGTGGGACATTCCCTTTGAGAGGGACCAGGA
 GATTCTGGAAGCTGNAGCTCACTTCCAGCCCATGTCTCCCAGACTGCTGTGCCCTAAT
 CGCCCGTGCCTGCCCCCAACCTTCTNCCGACCTCACTGGAAGAGACCTGCTGNACCC
 CTGGNATGCAACACCAGCCGAGGATGTACCCCTCAACCCTNCAAAGNNAGCCTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006875 unedited
 NGGGGAATATGTGNACCGCGCCGATTCNANGATCGNGTTTTTTTTTTTTTTTTTTTTTTT
 TT
 AAAAGGGGTTTCCCCCTGGGTTTTAAAAATCCCCGCCGAAAAAAGGAGGGCC
 CCCTTGAACCCCCCCCCACAAAACGGGATATTTACCTTTAATAATTGGGCCACCC
 CCGCTCAAGAGGAGTTGCCAAAATCTGCCAAAATTGGGGGGGGCCCCCAGAAAAACA
 ACAGCAAGCCTTATTTCCCTAACCCATCCCCAAAAAACCTCCCTCCCATCCCAATGT
 CTGGGGGGTCCCGGGGGGCCATCTTCCATTCTTCCAAATTATGAAATAAGGGTCT
 TCTCCCCAAATAAAAACCTTGGGATAACAAAATAGGGGCCCCCCCCCCAAAAA
 AAAAAAAAAAAAAACCTGGGGTAACAACAGGGCATTACCCCCCAAAAAAAAAAAC
 CCGGGCTGGGGCCGGAAACCCCTTGGCCCATTTGGGACCCCTGGCTAGGGGAAAGGG
 CCCCTTACTAAAAAAAAACCTCCGGGTTTTGGAAAGAAAACCCCTGCCCCAGTTAG
 AACCTTTGAACCAAGTTTGTGGGGGGGAATAAGAGGTGCCCATGTGGGGGACCATCC
 TCCAAATAAAAAATCCCGGGGCCAAAATGGGAACCACTTCCCAAATAAACTTCTTAA
 CAAAATGAGAAGCAAGAAGTTCCCTCCAGAAAAGGGACCCAGTTCTGGGGAGAAAGC
 TCCTTGTGGATTGGGAAGGGGACTGGGCCAACTTGGGTTTTGTCTTACCCTG
 ATCCCAATCCCTTA

Restriction Sites:

NotI-NotI

ACCN:

NM_006875

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](#)

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.

RefSeq: [NM_006875.2](#), [NP_006866.2](#)

RefSeq Size: 2101 bp

RefSeq ORF: 936 bp

Locus ID: 11040

UniProt ID: [Q9P1W9](#)

Cytogenetics: Xp11.23

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Acute myeloid leukemia

Gene Summary: This gene encodes a protooncogene that acts as a serine/threonine protein kinase. Studies determined the encoded protein functions to prevent apoptosis and to promote cell survival. [provided by RefSeq, Nov 2009]