

Product datasheet for **SC110975**

PIM1 (NM_002648) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIM1 (NM_002648) Human Untagged Clone
Tag: Tag Free
Symbol: PIM1
Synonyms: PIM
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002648 edited
ATGCTCTTGTCAAAATCAACTCGCTTGCCACCTGCGCGCCGCGCCCTGCAACGACCTG
CACGCCACCAAGCTGGCGCCCGCAAGGAGAAGGAGCCCCTGGAGTCGCAGTACCAGGTG
GGCCCGCTACTGGGCAGCGCGGCTTCGGCTCGGTCTACTCAGGCATCCGCGTCTCCGAC
AACTTGCCGGTGGCCATCAAACACGTGGAGAAGGACCGGATTTCCGACTGGGGAGAGCTG
CCTAATGGCACTCGAGTGCCCATGGAAGTGGTCTGCTGAAGAAGGTGAGCTCGGGTTTC
TCCGGCGTCATTAGGCTCCTGGACTGGTTCGAGAGGCCCGACAGTTTCGTCCTGATCCTG
GAGAGGCCCGAGCCGGTGAAGATCTCTCGACTTCATCAGGAAAGGGAGCCCTGCAA
GAGGAGCTGGCCCGCAGTTCCTTGGCAGGTGCTGGAGCCGTGCGGCACTGCCACAAC
TGCGGGGTGCTCCACCGGACATCAAGGACGAAAACATCCTTATCGACCTCAATCGCGGC
GAGCTCAAGCTCATCGACTTCGGGTGCGGGGCGTGTCTAAGGACACCGTCTACACGGAC
TTCGATGGGACCCGAGTGTATAGCCCTCCAGAGTGGATCCGCTACCATCGCTACCATGGC
AGGTGCGGCGCAGTCTGGTCCCTGGGGATCCTGCTGTATGATATGGTGTGTGGAGATATT
CCTTTCGAGCATGACGAAGAGATCATCAGGGGCCAGGTTTTCTTCAGGCAGAGGGTCTCT
TCAGAATGTCAGCATCTCATTAGATGGTGTGGCCCTGAGACCATCAGATAGGCCAACC
TTCGAAGAAATCCAGAACCATCCATGGATGCAAGATGTTCTCCTGCCCCAGGAACTGCT
GAGATCCACCTCCACAGCCTGTCGCCGGGGCCAGCAAATAG



[View online »](#)

Locus ID:	5292
UniProt ID:	P11309
Cytogenetics:	6p21.2
Domains:	pkinese, TyrKc, S_TKc
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase
Protein Pathways:	Acute myeloid leukemia, Jak-STAT signaling pathway
Gene Summary:	<p>The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons (PMIDs:16186805, 1825810).[provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (1) encodes two isoforms resulting from the use of alternate in-frame, translation initiation codons. This RefSeq represents the shorter isoform (2, also known as Pim-1S) derived from the use of a downstream AUG (at nt 431-433). Pim-1S has been shown to localize predominantly in the nucleus (PMID:16186805).</p>