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Product datasheet for MC205349

Pim3 (NM_145478) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pim3 (NM_145478) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pim3
Synonyms:	BC026639; Kid1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC017621
GCAGGGCGGGTGAGAGCGCCGTGAAAGCCGCGGAACGCCGTGCACCTCCGCGACTCTACTACGGCAAGCT
AGTCCGGACGGGTCGTCGTCCCCGCGCGCCACCAGCCCTTGGTGAAACGACAGGGAGCGTCCGGCTTCCC
CAGCACCGCCCTGCGAGACTCAAAACAGCCACACCGCAAAGCGAGCCTCGGGCGGAAGGAGGCGGAGCTT
CAGGCGGCCCCGCCTCCGCGGAAGGATACACATCTCCGTGGTCCAAAACCCCGGGGCGAGGCGGCCGGGG
CGTGTGAGCTGCTCGGCCAGCTGCCGTCTACGCGCTTTCGCGCGGCCACCGGGCAACTGCGCCGCGCGGC
TGCCCCGCTGAGCGCTCGGCCTCGGGGCCGTGGGATCCGCCGCGCTGTCTGCGGTCAGGAAGACCGCCCT
CCCGCGTCCTTGCCGGACGGGTCAGAGGCGGCACCGCACGCGAGGCCACCCGCGATGCTGCTGTCCAAGT
TCGGCTCCCTGGCGCACCTCTGCGGGCCTGGCGGCGTGGACCACCTCCCAGTGAAGATCCTACAGCCAGC
CAAGGCTGACAAGGAGAGCTTCGAGAAGGTGTACCAGGTGGGCGCCGTGCTGGGCAGCGGCGGCTTCGGC
ACGGTCTACGCGGGCAGCCGCATCGCCGACGGACTCCCGGTGGCTGTGAAGCACGTGGTGAAGGAGCGGG
TGACCGAGTGGGGCAGTCTCGGCGGAGTGGCCGTGCCCCTGGAGGTGGTGCTGCTGCGCAAGGTGGGCGC
GGCGGGCGGCGCGCGCGGCGTCATCCGCTTGCTGGACTGGTTCGAGCGGCCCGACGGCTTCTTGTTGGTG
CTGGAGCGACCCGAGCCGGCACAGGACCTCTTCGACTTCATCACTGAACGAGGCGCCCTGGACGAGCCGC
TGGCGCGTCGCTTCTTCGCGCAGGTGCTTGCCGCTGTGCGGCACTGCCACAATTGTGGGGTCGTGCACCG
CGACATCAAGGACGAGAACCTGCTGGTGGACCTGCGCTCGGGAGAGCTGAAGCTCATCGACTTCGGCTCG
GGCGCGGTGCTCAAGGACACGGTCTACACTGACTTTGATGGCACCCGTGTGTACAGCCCCCCAGAGTGGA
TCCGATATCACCGATATCACGGGCGGTCTGCCACTGTGTGGTCTCTGGGTGTACTGCTCTACGACATGGT
GTGTGGGGACATTCCCTTTGAGCAGGATGAGGAGATCTTGCGCGGCAGGCTCTTTTTCCGGAGGAGGGTC
TCCCCAGAGTGCCAGCAGCTTATTGAGTGGTGTCTCTCCCTGAGGCCCTCAGAGAGGCCCTCCCTGGACC
AAATTGCTGCCCACCCCTGGATGCTGGGGACAGAGGGGAGCGTTCCAGAGAACTGTGACCTTCGGCTTTG
TGCCCTGGATACTGACGACGGAGCCAGTACCACTTCCAGCAGTGAGAGCTTGTGAGGAGGAGAAGGGGCC
TGGGCTCGGCCTAGCCAGCGCTCTCCCAGAATTGAACACTTTCTGCCTGGGATGTCTGCTGCAAAAGCAG
TGACCTCTGACCCCTGGTGACCTTTGCTCTCGGCACCGGGCCTGTTTCCTTTGCTTTGAGTGCCTTTTTG
AACGCTGCTCCACAGGGCCTGGGTTTTCTTGAGCTCTTCTGTCCAAAGATGGCTGAGGGCTAAGCAAGGT
CCTGCCCTGGGTGGATACTTGAACCAGAGATCCCGACCCTGCTGCTCCATCTCAGGAGGCAGCCTTCCTG
ACCAAGTGTGTTTGACATGGAGCGCCCTGTGGTGCCCACCTCCAACCCTCCAGTCTCCTGGTGTTCATCT
GGGCATGTCTGCACAAGCAATGCAACGCTGGGCCACTGCTGCCCGTCTGCCTCCCCGGCACGGCACGGCT
CCGCACGCAACCTAAGCGTGCCACCACGGTCTCTTATTTATGGTGTGATCACCCTGGAGGGCGCCCCCGC
CCTGCTGGGGCTATTTATTGTTTAATTTATTTGCTGAGGTTCCTCCAAGCAACCACCTTCTCCAGGCCCC
TGGGGTGTTGAAAGTCAAATGTGGCTGTTGAGTCCACAGACCCCCATCCTAATTCCTGCACCTGGAGGAG
TTCCCCAACCCCCGTGTTTGCGGGAGGAAGCATTTGTACAGTGGCTAATTTAAGGGGAGTGGGAGACCCT
GTCACCCTGAGCACTCTGCGCTGGGGAGGGGTTTAAATTATTGACCTTGTACAGTCTGCTTGCTGGCTCT
GAAAGCTGGGGTTGGGGGACAGAGTCTCAAGCCCTTAATTTATTTTAGCAGCTGTGTTTCTGTGACCCTG
GTGTGACTAAGCATCAGGGGTGGGGTTGTATAAGTTCAAAAGTGTGAAATGTCTGAAGATCATATTTTTT
ATACAGGTATTTCAATTAAATGTTTTGGTATATAATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145478

Insert Size: 981 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).

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:	BC017621, AAH17621
RefSeq Size:	2447 bp
RefSeq ORF:	981 bp
Locus ID:	223775
UniProt ID:	P58750
Cytogenetics:	15 E3
Gene Summary:	Proto-oncogene with serine/threonine kinase activity that can prevent apoptosis and promote cell survival and protein translation. May contribute to tumorigenesis through: the delivery of survival signaling through phosphorylation of BAD which induces release of the anti-apoptotic protein Bcl-X(L), the regulation of cell cycle progression and protein synthesis and by regulation of MYC transcriptional activity. Additionally to this role on tumorigenesis, can also negatively regulate insulin secretion by inhibiting the activation of MAPK1/3 (ERK1/2), through SOCS6. Involved also in the control of energy metabolism and regulation of AMPK activity in modulating MYC and PPARGC1A protein levels and cell growth.[UniProtKB/Swiss-Prot Function]