

Product datasheet for **MC219686**

Pias3 (NM_146135) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pias3 (NM_146135) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pias3
Synonyms:	Pias3l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219686 representing NM_146135
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGATGAGTTCCGAGTGTCTGAGCTCCAGTGCTCCTCGGCTTCGCTGGCAGGAACAAGAGTGGC
 GGAACACGAGCTGCTGGCCAAGGCCCTGCACCTCCTCAAGTCTAGCTGCGCCCCAGCGTCCAGATGAA
 GATCAAAGAACTTTATCGCAGGCCTTTCCCGGAAGACCCTGGGGCCTTCTGATCTCTCCTTGCTTTCT
 TTGCCCTGGCACCTCTCCTGTAGGCTCCCCGGCCCCCTTGCTCCCATCCCTCCACCCTTCTGACCC
 CTGGCACCTTGCTAGGCCCTAAGCGTGAGGTGGACATGCATCCTCCTGCGCGAGCCTGTGACCCCCGA
 TGTACCATGAAGCCACTGCCCTTCTATGAAGTCTATGGGGAGCTCATCCGACCCACCACCCTTGCCTCC
 ACCTCCAGCCAGAGGTTGAGGAAGCCACTTCACCTTCGCGCTCACTCCCAGCAGCTGCAGCAGATTC
 TACGTCCAGGGAGGTTCTGCCAGGAGCAAGTGTGATTACACCATAAAGTGCAGCTCAGATTCTGTCT
 CTGTGAGACCAGCTGCCCTCAGGAGGACTATTTCCCCCTAACCTCTTTGTTAAGGTTAATGGGAAACTC
 TGCCCCCTGCCGGGTTACCTCCCTCCAACCAAGAATGGAGCTGAGCCCAAGAGGCCAGCCGTCCGATCA
 ACATCACACCCTTGGCTCGACTCTCAGCCACTGTCCCAACACCATCGTAGTTAATTGGTCATCTGAGTT
 TGGACGGAATTACTCCTGTCCGTGTACCTGGTGGGCAATTGACTGCAGGGACCCTTACAAAAACTC
 AGAGCCAAGGGGATCCGGAATCCAGACCATTCCCGGGCACTGATCAAGGAGAAACTGACTGCTGACCCCG
 ACAGTGAAGTGGCTACTACAAGTCTCCGGGTGTCACTCATGTGCCCGCTAGGGAAGATGCGCCTGACTGT
 CCCGTGTCGTGCCCTCACCTGTGCCATCTGCAGAGTTTCGATGCTGCCCTTTATCTACAGATGAATGAG
 AAGAAGCCGACATGGACGTGCTGTGTGACAAGAAGGCTCCCTATGAGTCGCTGATTATTGATGGTT
 TATTCATGGAAATCTTAATTCCTGTTCCGATTGTGATGAGATCCAGTTCATGGAAGATGGATCCTGGTG
 TCCGATGAAACCCAAGAAGGAGGCATCAGAGGTTTGCCCCCGCCAGGGTATGGGCTGGATGGTCTCCAG
 TACAGCGCAGTCCAGGAGGAATTCAGCCAGAGAGTAAGAAGAGGGTCAAGTCATTGACTTGACCATCG
 AAAGCTCATCAGATGAGGAGGATTTGCCCCCAACAAGAAGCACTGCCCTGTACCTCAGCGGCCATTCC
 AGCCCTTCTGGAAGCAAGGAGCCCTGACCTCTGGTACCAGCCATCCTCGGTGCTGGGAGCCCTGCA
 ATGGGCACACTGGGCAGTGACTTCTGTCTAGTCTCCCGTACATGAGTACCCACCTGCCTTCCACTGG
 GGGCTGACATCCAAGTTTAGATTTATTTCTTCCCTTCCAGACTGAGAGTCAACTACGGCCCTTCACT
 TATCACTTCGCTAGATGAACAGGACACCCTTGGCCACTTCTTCCAGTACCGGGGAACCCCTTCCACTTC
 CTGGGCCACTGGCCCCACACTGGGGAGCTCTACCGCAGCTCCACTCCAGCGCCCCCTCTGGTCTGT
 TCAGCAGCATTGTGGCTCCTGGGAGCTCCTTGGGGAAGGGCATGGAGGACCCCTGCCTTCAAGTCCCTC
 TTTGACTGGCTGTCCGTGACGACGTCATTTCTTGGACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_146135

Insert Size: 1860 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:	<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_146135.2 , NP_666247.1
RefSeq Size:	2975 bp
RefSeq ORF:	1860 bp
Locus ID:	229615
UniProt ID:	O54714
Cytogenetics:	3 F2.1
Gene Summary:	<p>Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. Repressor of STAT3 signaling via inhibiting STAT3 DNA-binding and suppressing cell growth. Repressor of MITF transcriptional activity. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation. Sumoylates CCAR2 which promotes its interaction with SIRT1 (By similarity). Diminishes the sumoylation of ZFH3 by preventing the colocalization of ZFH3 with SUMO1 in the nucleus (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>