

Product datasheet for MC202219

Pias4 (NM_021501) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pias4 (NM_021501) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pias4
Synonyms:	Pias-gamma; Piasg; PIASY
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025159 sequence for NM_021501
 GTGGCCAAGATGGCGGCAGAGCTGGTGGAGGCCAAAAACATGGTGATGAGCTCCGAGTATCAGACCTGC
 AGATGCTGCTGGGCTTTGTAGGCCGGAGCAAGAGTGGGCTGAAGCACGAAGTGGTACCAGGGCCTTGCA
 GCTGGTGCAGTTCGACTGTAGCCAGAGCTTTCAAGAAGATCAAAGAGCTGTATGAGACTCGCTATGCC
 AAGAAGAGTGCAGAGCCCGGCCACAGGACCACGGCCCTGGATCCCCTGGCACTACACTCCATGCCCA
 GGACTCCCCTGTAGGGCCACCGTGGACTACCCCGTGTGTACGGGAAGTACTTGAATGGACTGGGGCG
 CCTGCCACCAAGACCCTTAAGCCGGAGGTACGCCTGGTTAAGTCCCCTTCTTCAACATGCTGGACGAA
 TTGCTGAAGCCCACTGAAGTGGTCCCACAGAGTGCAGAGAAGTGCAGAGAGCCCATGCATCTTCGCGC
 TAACACCTCGGCAGGTGGAGATGATCCGCAACTCCAGGGAGCTGCAGCCTGGAGTGAAGCTGTGCAGGT
 GGTGCTGAGGATCTGTTACTCTGATAACCAGCTGTCCGAGGAGGACCAATACCCACCAACATCGTGTG
 AAGGTCAACCACAGCTACTGCTCAGTGCCTGGGCTACTATCCCTCCAACAAGCCTGGTGTGGAACCTAAGA
 GGCCCTGCGGCCCATCAACCTTACCCACCTCATGTATCTGTCCCTCGGCCACCAACCGCATTACTGTCAC
 CTGGGGCAACTATGGCAAGAGCTACTCTGTGGCTTTGTACCTGGTGCAGAGCTGACCTCCTCAGACCTG
 CTACAGAGGTTGAAGACGATTGGGGTGAAGCATCCTGAGCTGTGCAAGGCTTTGGTCAAGGAGAAGCTTC
 GCCTAGACCCCGACAGCGAGATCGCCACTACCGGAGTGCAGTGTCCCTCATCTGCCCACTGGTGAAGAT
 GCGCCTCTCGGTGCCCTGCCGTGCAGAGACCTGCGCACACTGCAGTGTCTTGTGCTGTGTTCTACCTG
 CAAATGAATGAGAAGAAGCCACCTGGATGTGCCTGTGTGTGACAAGCCTGCAGCCTATGACCAGCTCA
 TCATAGATGGGCTGTGTCGAAGATCCTGAGTGTGAGTGTGAGGGCGCGGATGAGATTGAGTTCCTGGCGGA
 AGGCTCATGGCGTCCAATCCGTGCAGAGAAGGAGCCAAGCTGCAGCCACAGGGCCCATCCTGGTGCTA
 GGCACCTCGGACGCCAATGGGCTCGCACCAGCCTCCAGCACCCCGGTATAGGCAGTGGCCTGAGTGGCC
 CAGGCAGCGCCGAGCGGTGCGGGGGCAGCAGGAGCCTGGAGAATGGCAAGACGGGAGCCGACGTGGT
 GGACCTCACACTGGACAGCTCGTCGTCCTCGGAAGATGAAGATGAGGACGAGGACGACGATGAGGACGAG
 GACGAGGGCCCCCGGCCGAAGCGCCGCTGCCCGTTCCAGAAAGCCTGGTGGCCGCGTGTGACTCCGCT
 GCGGGGGCGTGGAGGGCGGGAGCCGACCCGTCATCATTCCCTCGCCACCCCTCCCGGCTCCCGGC
 TCCTGTACCTCTGGACTCTCTTGGGGGATTAAAAAAGTAAATGACAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_021501
Insert Size:	1524 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:	BC025159 , AAH25159
RefSeq Size:	1676 bp
RefSeq ORF:	1524 bp
Locus ID:	59004
UniProt ID:	Q9JIM05
Cytogenetics:	10 C1
Gene Summary:	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, the p53/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation (By similarity).[UniProtKB/Swiss-Prot Function]