

Product datasheet for **SC324304**

PIAS3 (NM_006099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIAS3 (NM_006099) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIAS3
Synonyms:	ZMIZ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006099.3
CTGGGCCTGAGCTCCGGCTCCGGCTGGGGCGCCTGCGATGTCTCAAGATGGCGGAGCTGG
GCGAATTAAGACACATGGTGTAGTTCGGGTGTCTGAGCTCCAGGTGCTTCTTGGCT
TTGCTGGCCGGAACAAGAGTGGACGGAAGCAGGAGCTCCTGGCCAAGGCTCTGCACCTCC
TGAAGTCCAGCTGTGCCCTAGTGTCCAGATGAAGATCAAAGAGCTTTACCGACGACGCT
TTCCCCGAAGACCCTGGGGCCCTCTGATCTCTCCCTTCTCTTTGGCCCTGGCACCT
CTCCTGTAGGCTCCCCTGGTCCCTAGCTCCCATTCCCCAACGCTGTTGGCCCTGGCA
CCCTGCTGGGCCCAAGCGTGGAGTGGACATGCACCCCTCTGCCCCAGCTGTGCACC
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CCACCCTTGATCCACTTCTAGCCAGCGGTTTGGGAAGCGCACTTTACCTTTGCCCTCA
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ACATCAAAGTTAGATTTATTTTCACTTCTTCCAGACAGAGAGTCACTATGGCCCT
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CCCCTTCTCACTTCTGGGCCACTGGCCCCACGCTGGGGAGCTCCACTGCAGCGCCA
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AGTGAAGCTCTACCCATAATAAAGGTTGTGAATGTTCAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_006099
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006099.3 , NP_006090.2
RefSeq Size:	2902 bp
RefSeq ORF:	1887 bp
Locus ID:	10401
UniProt ID:	Q9Y6X2
Cytogenetics:	1q21.1
Domains:	SAP, zf-MIZ
Protein Families:	Transcription Factors
Protein Pathways:	Jak-STAT signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis
Gene Summary:	This gene encodes a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. The protein functions as a SUMO (small ubiquitin-like modifier)-E3 ligase which catalyzes the covalent attachment of a SUMO protein to specific target substrates. It directly binds to several transcription factors and either blocks or enhances their activity. Alternatively spliced transcript variants of this gene have been identified, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]