

## Product datasheet for **RC207034L4V**

### PIAS3 (NM\_006099) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PIAS3 (NM_006099) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIAS3
Synonyms:	ZMIZ5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006099
ORF Size:	1884 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207034).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_006099.3</a> , <a href="#">NP_006090.2</a>
RefSeq Size:	2902 bp
RefSeq ORF:	1887 bp
Locus ID:	10401
UniProt ID:	<a href="#">Q9Y6X2</a>
Cytogenetics:	1q21.1
Domains:	SAP, zf-MIZ
Protein Families:	Transcription Factors



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**Protein Pathways:** Jak-STAT signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

**MW:** 68 kDa

**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]