

## Product datasheet for **RC219594L4V**

### PIAS1 (NM\_016166) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PIAS1 (NM_016166) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIAS1
Synonyms:	DDXBP1; GBP; GU/RH-II; ZMIZ3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016166
ORF Size:	1953 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219594).
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_016166.1</a>
RefSeq Size:	2309 bp
RefSeq ORF:	1956 bp
Locus ID:	8554
UniProt ID:	<a href="#">O75925</a>
Cytogenetics:	15q23
Domains:	SAP, zf-MIZ
Protein Families:	Druggable Genome, Transcription Factors



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

**MW:** 71.7 kDa

**Gene Summary:** This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. This protein plays a central role as a transcriptional coregulator of numerous cellular pathways including the STAT1 and nuclear factor kappaB pathways. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]