

Product datasheet for **RR200099L3V**

Pard6a (NM_001003654) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pard6a (NM_001003654) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Pard6a
Synonyms:	Par-6a; Par6a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001003654
ORF Size:	510 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200099).
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. More info
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:	NM_001003654.2 , NP_001003654.2
RefSeq Size:	1221 bp
RefSeq ORF:	513 bp
Locus ID:	307799
Cytogenetics:	19q12


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Gene Summary:

The protein encoded by this gene is a component of the partitioning defective complex, a protein complex involved in controlling epithelial cell polarity as well as other cell processes. In rat testis cells, the protein localizes to the apical ectoplasmic specialization at the Sertoli-elongating spermatid interface and at the blood-testis barrier. Accordingly, knockdown of this gene in Sertoli cell epithelia results in compromised blood-testis barrier integrity. Knockdown of this gene in various neuronal cell types results in a variety of phenotypes including abnormal dendritic spine morphogenesis and defective axon outgrowth to the spinal midline. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]