

## Product datasheet for **RR202582L4V**

### Spc25 (NM\_001009654) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Spc25 (NM_001009654) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Spc25
Synonyms:	RGD1307811; Spbc25
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001009654
ORF Size:	678 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR202582).
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_001009654.1</a> , <a href="#">NP_001009654.1</a>
RefSeq Size:	1291 bp
RefSeq ORF:	681 bp
Locus ID:	295661
UniProt ID:	<a href="#">Q5M856</a>
Cytogenetics:	3q21



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**Gene Summary:**

Acts as a component of the essential kinetochore-associated NDC80 complex, which is required for chromosome segregation and spindle checkpoint activity. Required for kinetochore integrity and the organization of stable microtubule binding sites in the outer plate of the kinetochore. The NDC80 complex synergistically enhances the affinity of the SKA1 complex for microtubules and may allow the NDC80 complex to track depolymerizing microtubules.[UniProtKB/Swiss-Prot Function]