

## Product datasheet for **RR209967L4V**

### Cybrd1 (NM\_001011954) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cybrd1 (NM_001011954) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Cybrd1
Synonyms:	Dcytb
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001011954
ORF Size:	858 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR209967).
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_001011954.1</a> , <a href="#">NP_001011954.1</a>
RefSeq Size:	3427 bp
RefSeq ORF:	861 bp
Locus ID:	295669
UniProt ID:	<a href="#">Q5RKJ2</a>
Cytogenetics:	3q22



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**Gene Summary:**

Ferric-chelate reductase that reduces Fe(3+) to Fe(2+). Present at the brush border of duodenal enterocytes where it probably reduces dietary Fe(3+) thereby facilitating its transport into the mucosal cells. Uses ascorbate as electron donor. May be involved in extracellular ascorbate recycling in erythrocyte membranes. May also act as a ferrireductase in airway epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]