

Product datasheet for **RR207642L4V**

Cyb5r4 (NM_133427) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cyb5r4 (NM_133427) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Cyb5r4
Synonyms:	b5&b5R; b5+b5R; cb5/cb5R; Ncb5or
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133427
ORF Size:	1560 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207642).
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_133427.3 , NP_596918.3
RefSeq Size:	2252 bp
RefSeq ORF:	1563 bp
Locus ID:	171015
UniProt ID:	Q68EJ0
Cytogenetics:	8q31



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Gene Summary:

NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS).[UniProtKB/Swiss-Prot Function]