

Product datasheet for **RR207868L4V**

Coq2 (NM_001044255) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Coq2 (NM_001044255) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Coq2
Synonyms:	PHB:PPT; RGD1306722
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001044255
ORF Size:	1122 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207868).
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_001044255.1 , NP_001037720.1
RefSeq Size:	1797 bp
RefSeq ORF:	1125 bp
Locus ID:	498332
UniProt ID:	Q499N4
Cytogenetics:	14p22



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Gene Summary:

Catalyzes the prenylation of para-hydroxybenzoate (PHB) with an all-trans polyprenyl group. Mediates the second step in the final reaction sequence of coenzyme Q (CoQ) biosynthesis, which is the condensation of the polyisoprenoid side chain with PHB, generating the first membrane-bound Q intermediate.[UniProtKB/Swiss-Prot Function]