

## Product datasheet for **RR212687L4V**

### **Ndufs1 (NM\_001005550) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Ndufs1 (NM_001005550) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Ndufs1
Synonyms:	MGC93795
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001005550
ORF Size:	2181 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR212687).
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_001005550.1</a> , <a href="#">NP_001005550.1</a>
RefSeq Size:	2519 bp
RefSeq ORF:	2184 bp
Locus ID:	301458
UniProt ID:	<a href="#">Q66HF1</a>
Cytogenetics:	9q32



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**Gene Summary:**

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (By similarity). This is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized (By similarity). [UniProtKB/Swiss-Prot Function]