

Product datasheet for **RR204818L3V**

Nrf1 (NM_001100708) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nrf1 (NM_001100708) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Nrf1
Synonyms:	Nfe2l1_retired
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001100708
ORF Size:	1602 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR204818).
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_001100708.1 , NP_001094178.1
RefSeq Size:	1898 bp
RefSeq ORF:	1605 bp
Locus ID:	312195
Cytogenetics:	4q22



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Gene Summary:

This gene encodes a protein that homodimerizes and functions as a transcription factor which activates the expression of some key metabolic genes regulating cellular growth and nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication. Confusion has occurred in bibliographic databases for genes in the "nuclear respiratory factor" and "nuclear factor (erythroid-derived 2)-like" families due to a shared symbol or alias of Nrf1. [provided by RefSeq, Jul 2008]