

Product datasheet for **RR200141L4V**

Nit1 (NM_182668) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nit1 (NM_182668) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Nit1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_182668
ORF Size:	981 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200141).
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_182668.2 , NP_872609.2
RefSeq Size:	1391 bp
RefSeq ORF:	984 bp
Locus ID:	289222
UniProt ID:	Q7TQ94
Cytogenetics:	13q24


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Gene Summary:

The protein encoded by this gene is a member of the nitrilase enzyme superfamily. Nitrilases are nonpeptidic C-N hydrolases. In mammals, nitrilases form small molecule C-N bonds such as acid amides, carbamates and ureas. Nit1-deficient mice display phenotypes including increased cell proliferation, resistance to DNA damage, and an increased number of N-nitrosomethylbenzylamine-induced murine forestomach tumors, suggesting a tumor suppressor function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]