

Product datasheet for **RR202174L3V**

Nhej1 (NM_001014217) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nhej1 (NM_001014217) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Nhej1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001014217
ORF Size:	912 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR202174).
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_001014217.1 , NP_001014239.1
RefSeq Size:	1445 bp
RefSeq ORF:	915 bp
Locus ID:	363251
UniProt ID:	Q6AYI4
Cytogenetics:	9q33



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Gene Summary:

DNA repair protein involved in DNA nonhomologous end joining (NHEJ) required for double-strand break (DSB) repair and V(D)J recombination. May serve as a bridge between XRCC4 and the other NHEJ factors located at DNA ends, or may participate in reconfiguration of the end bound NHEJ factors to allow XRCC4 access to the DNA termini. It may act in concert with XRCC6/XRCC5 (Ku) to stimulate XRCC4-mediated joining of blunt ends and several types of mismatched ends that are noncomplementary or partially complementary. Binds DNA in a length-dependent manner.[UniProtKB/Swiss-Prot Function]