

Product datasheet for **MR208332L3V**

Usp3 (NM_144937) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Usp3 (NM_144937) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Usp3
Synonyms:	AA409661; BC017156
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_144937
ORF Size:	1563 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208332).
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_144937.2
RefSeq Size:	5594 bp
RefSeq ORF:	1563 bp
Locus ID:	235441
UniProt ID:	Q91W36
Cytogenetics:	9 C



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Gene Summary:

The protein encoded by this gene is a chromatin-associated histone 2A and 2B deubiquitinating enzyme that negatively regulates the DNA damage response. Mice deficient for this enzyme have reduced hematopoietic stem cell reserves, demonstrating a requirement in hematopoietic stem cell homeostasis. In addition, knock down of protein levels results in spontaneous tumor development and shortened lifespan, consistent with a function in preserving chromosomal integrity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]