

Product datasheet for **MR201108L4V**

Rnase6 (NM_030098) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rnase6 (NM_030098) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rnase6
Synonyms:	9530043P15Rik; BB119466
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_030098
ORF Size:	462 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201108).
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_030098.1 , NP_084374.1
RefSeq Size:	1072 bp
RefSeq ORF:	462 bp
Locus ID:	78416
UniProt ID:	Q9D244
Cytogenetics:	14 C1



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Gene Summary:

Ribonuclease which shows a preference for the pyrimidines uridine and cytosine (PubMed:15693621). Has potent antibacterial activity against a range of Gram-positive and Gram-negative bacteria, including *P.aeruginosa*, *A.baumannii*, *M.luteus*, *S.aureus*, *E.faecalis*, *E.faecium*, *S.saprophyticus* and *E.coli* (PubMed:15693621, PubMed:25075772). Causes loss of bacterial membrane integrity, and also promotes agglutination of Gram-negative bacteria (By similarity). Probably contributes to urinary tract sterility (PubMed:25075772). Bactericidal activity is independent of RNase activity (By similarity).[UniProtKB/Swiss-Prot Function]