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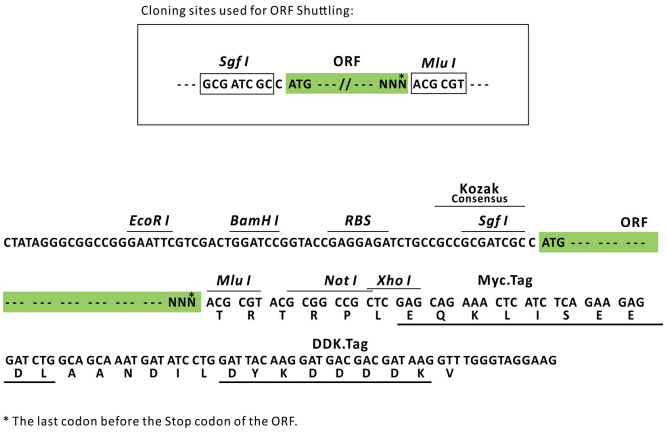
Product datasheet for MR201108L3

Rnase6 (NM_030098) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnase6 (NM_030098) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Rnase6
Synonyms:	9530043P15Rik; BB119466
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201108).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_030098
ORF Size:	462 bp

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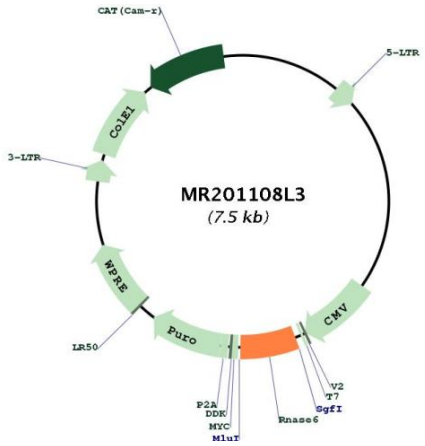
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030098.1, NP_084374.1
RefSeq Size:	1072 bp
RefSeq ORF:	462 bp
Locus ID:	78416
UniProt ID:	Q9D244
Cytogenetics:	14 C1
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.baumanii, 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]

Product images:



Circular map for MR201108L3