

Product datasheet for **RC222114L4V**

Ribonuclease A (RNASE1) (NM_198234) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ribonuclease A (RNASE1) (NM_198234) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ribonuclease A
Synonyms:	RAC1; RIB1; RNS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198234
ORF Size:	468 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222114).
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_198234.1
RefSeq Size:	898 bp
RefSeq ORF:	471 bp
Locus ID:	6035
UniProt ID:	P07998
Cytogenetics:	14q11.2
Protein Families:	Secreted Protein, Transmembrane
MW:	14.5 kDa



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Gene Summary:

This gene encodes a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. The encoded endonuclease cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. It prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. The encoded protein is monomeric and more commonly acts to degrade ds-RNA over ss-RNA. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]