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Product datasheet for RC200595L1V

RNase H1 (RNASEH1) (NM_002936) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RNase H1 (RNASEH1) (NM_002936) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RNase H1
Synonyms:	H1RNA; PEOB2; RNH1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002936
ORF Size:	858 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200595).
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_002936.3
RefSeq Size:	1865 bp
RefSeq ORF:	861 bp
Locus ID:	246243
UniProt ID:	O60930
Cytogenetics:	2p25.3
Domains:	rnaseH
Protein Pathways:	DNA replication

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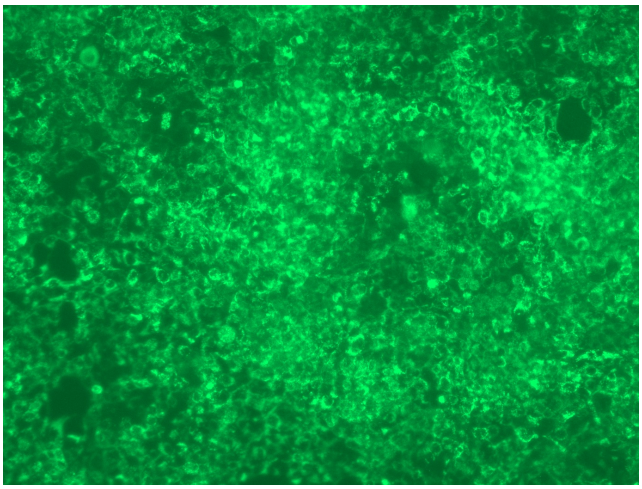
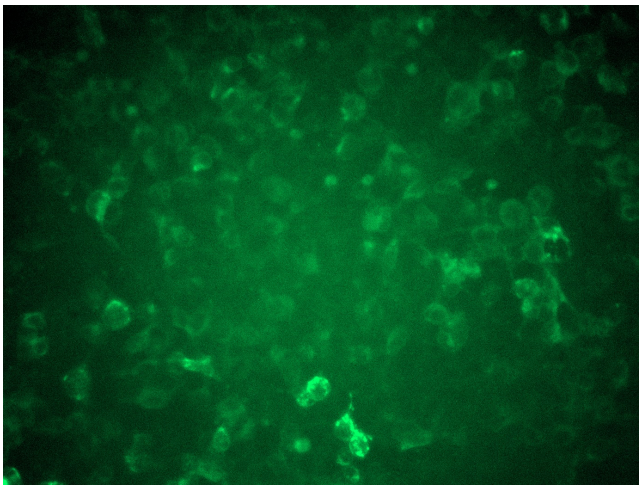
MW: 32.1 kDa

Gene Summary: This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and plays a key role in DNA replication and repair. Alternate in-frame start codon initiation results in the production of alternate isoforms that are directed to the mitochondria or to the nucleus. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF). Mutations in this gene have been found in individuals with progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal recessive 2. Alternative splicing results in additional coding and non-coding transcript variants. Pseudogenes of this gene have been defined on chromosomes 2 and 17. [provided by RefSeq, Jul 2017]

Product images:



[RC200595L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC200595L1V particle to overexpress human RNASEH1-Myc-DDK fusion protein.



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