

## Product datasheet for **SC209018**

### **RNase H1 (RNASEH1) (NM\_002936) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	RNase H1 (RNASEH1) (NM_002936) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	RNASEH1
Synonyms:	H1RNA; PEOB2; RNH1
ACCN:	NM_002936
Insert Size:	2000 bp



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**Insert Sequence:**

>SC209018 3'UTR clone of NM\_002936

The sequence shown below is from the reference sequence of NM\_002936. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAGAAGGAGCTAAACAATCGGAAGACTGAGCCATGTGACTTTAGTCCTTGGGAGAAGTTGAGCCAGCG
GCTGTCTTGCTGCCTGTACTTACTGGTGTGAAAAATAGCCTGCAGGTAGGACCATTGCAGTGATGGGCA
GATGCGTCTTTCACACGGAATCAGGCACAGTGGCCTTCTGTGACATGTGTTTATAAAAAATGGTTAAGT
ATATAATAAATTGAACATCTTTGAGATTGGAGAATTATGTGAGATTTCCACATTATGTTTACTGGGTTC
AATACTGCTCTTGCTTGTATTTATGCAGGCAAGCAAGGCAAAATGGCCTAAAAATGCTGTGGCTTATTTT
TGATAAGAAATCAAAAAACCATTGGTTAAAAGATGCAACTCAGAAGTCTGGAAATTTCTGAAAGCATC
CATTTACCGTCCAGTTGACAGGTTTGTGCTCCTGTATAGGTGACTTGTGCCCATGGGTACATTA
AAGGAACATGCTGCCAGGGCCTGGGCGGACAGCTCAGTGGGAGGATGTGTGCTGGGTCTAGCCCA
TGTGCCTGCTTGTGGGAGTTAGTATAGGGCAAAGCCTGCCTGCGGCGACCCTGGCTGCTAGGCCATT
CTCTAGGAACAGCTGCGACTCATAAAGACCAAGAAGCATAAATAAACTTTCAAAAAATTTATTTGGCTCT
TTCTGTTAAAAACTGTGCAAAATAAAAAAAAAAAAAAAAAGTAAGACACCGGCTGGGCACAGTGGCTCA
CTTCTGTAATCCTAGCACTTTGGGAGGCCAAGGCGGCAGATCACTTGAGGTGAGGATTTGAGACCAG
CTTGGCCAACATGACGAAACCCTGTCTCTACTAAAAATTACAAAAATTATCCAGGTGTGGTGGCACGGGC
TTGTAGTCCCAGTACTTGGGAGGCTGAGGCACAAGAATCACTTGAACCCAGGCGGCAGAGGTTGCAGT
GAGCCAAGATTGCACCACTGCATCCATCCTGGGCAACAGAGTGAGACTCTGTCTCAAAAAAAAAAAAA
AGTAGTAAAAGTTTGACATGATTATTTAGTTTTAAACCTTTTTATTATAAAAAACATACAGGAAGT
GACAAAAACAAATGTATAGCTTATTGAATGATTATGATTGTAAGGTGAATAACCTTTGTGTCCACCAC
CTGGTGAAGAAATAGTACTTTGCCAGATACCCAGGAGGCTCTCCCAAGTGCCCTCCAGCCACAGCCC
TCTTCTCTCCCTCCTTGCCTCAACAAGTAATCCTGACTTTTACAGAAATGACTTTCTTGGTTTTTT
GATGGCAGTTTAGTCTTGTCTGCTTTTTTTTTGTTATTTTTTTATCTACTTCAGTGTCCATTTGCAGTC
CCGTCGGCCTCACTGTTTTCCCTGCCGTTTATCTGTTGAAGAGCCTGGGCTGTTTGTCCCATGGCTTCC
CACAGTGTAGATTTTGTGACCACGTGGTGTAGTTCAGCATGGTCTCTATGTTTCTGCACA
TTGGCAGCTGGGTCCAGAGGCTTGATGAGCCTCAAATTTGATCCCTTTGGCAGGAGAACAGGCGGTTAG
GAGCTTTCTCAGGAAAGTACCATGTTGACGGCAGCTGATGCTCAGTGCCAAGATCCATTAATTATTG
GGTTGCAAAATGGTGGTATTCTATTCTGTCGTTTTGCTTGCCTTTATTAGCTGGAATGGTTTTCTAA
GAAAGTGTCTTTTATACTTATCTGGTTACCCAGTGGTACAGTTTATATAGGAAGGCGAGGATAA
ATGCTTGATTCTTTGCTCTTGTACACTAAGTTTTTAAGATAATGCATTAGTTGTCTGTCAAGGAAGGTG
AGTGGTGAAGGTTTTTACATATATAACAAGAAATCATGGGCTGGGCATGGTGTCTTATGCCTGTAATCC
CAGCACTTTGGGAGGCTGAGGCTGGAGGATCACATGAACCCAGGAGTTTGTAGACTAGTCTGGGCAACA
ACGCGTAAGCGGCCCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
```

**Restriction Sites:**

Sgfl-Mlul

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_002936.6](#)

**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]

**Locus ID:**

246243

**MW:**

74.4