

## Product datasheet for **SC209307**

### Perforin (PRF1) (NM\_005041) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Perforin (PRF1) (NM\_005041) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PRF1  
**Synonyms:** HPLH2; P1; PFP  
**ACCN:** NM\_005041  
**Insert Size:** 735 bp  
**Insert Sequence:** >SC209307 3'UTR clone of NM\_005041  
The sequence shown below is from the reference sequence of NM\_005041. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAGGAAACCGGAGTGGGGCCGTGTGGTGAACAGTGAGCTTGGAAAGGACCAGTATGCTTGGACTGA
AGGGTTCTCACAGTGGGAGCCAGGGCTGTCTTCGTATTCCTAGACCAAGCTTGCCAACCCGAGG
CCCGCATGCGGCCAGGATGGCTTTGAATGCGGCCCAACGCAAATTCGCAAACCTTCTTAAACATTAT
GAGTTTCTTTTGTATTTTTTTTTTTTTTTAGCTCATCGGCTATCGTTAGTGCTAGTGGATTTTACA
TGTGGCCCAACACAATTCTTCTTCCAACGTGGCCAGAGAAGCCAAAAGATTGGATACGCATCAGACAG
ATGGAAAAGGGAGATTACAGACTGTTTTTTCAGGGAGGTGGCTGGGTTTACACGCTAATCCCGATTACCC
TGTCCAAACTGCCTAAGCCCTCCGCCATTCTCAAGCCCTGCAGTCACAGCTACACAGATCACAGCTTCA
GCCAGGAGCTGGGCAGAAGGCCAAGAGGCTGTTCCCACCAGGCTGCTCAGGGCTGGTCTTTTAGGACCC
TTCCCTTGAGCCCTCTATGGTGTGGCAAAGCCTTCATTGCCTTAACTGGAGCCCCATCAGCTCCAGCTG
CTCTGTCTTCTTTGCCACAATGCTTTGCCCTGAGACAAATGGAGGCCCTGCTCCTGACCTGTCTACCA
TGTACATAGCTTGATAAAGGGCCAATAAATATGATGTTATGGTGA
ACGGCTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_005041.6</a>
<b>Summary:</b>	This gene encodes a protein with structural similarities to complement component C9 that is important in immunity. This protein forms membrane pores that allow the release of granzymes and subsequent cytolysis of target cells. Whether pore formation occurs in the plasma membrane of target cells or in an endosomal membrane inside target cells is subject to debate. Mutations in this gene are associated with a variety of human disease including diabetes, multiple sclerosis, lymphomas, autoimmune lymphoproliferative syndrome (ALPS), aplastic anemia, and familial hemophagocytic lymphohistiocytosis type 2 (FHL2), a rare and lethal autosomal recessive disorder of early childhood. [provided by RefSeq, Aug 2017]
<b>Locus ID:</b>	5551
<b>MW:</b>	26.9