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Product datasheet for SC209308

Perforin (PRF1) (NM_001083116) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Perforin (PRF1) (NM_001083116) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: PRF1

Synonyms: HPLH2; P1; PFP

ACCN: NM_001083116

Insert Size: 735 bp

Insert Sequence:

>SC209308 3'UTR clone of NM_001083116
The sequence shown below is from the reference sequence of NM_001083116. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAGGAAACCGGAGTGGGGCCGTGTGGTGAGAACAGTGAGCTTGGAAAGGACCAGTATGCTTGGACTGA
AGGGGTTCTCACAGTGGGAGCCAGGGCTGTCTTCGTATTCCCATTAGACCAAGCTTGTCCAACCCGAGG
CCCGCATGCGGCCCAGGATGGCTTTGAATGCGGCCCAACGCAAATTCGCAAACTTTCTTAAAACATTAT
GAGTTTCTTTTTGCTATTTTTTTTTTTTTTTTAGCTCATCGGCTATCGTTAGTGCTAGTGGATTTTACA
TGTGGCCCAACACAATTCTTCTTCCAACGTGGCCCAGAGAAGCCAAAAGATTGGATACGCATCAGACAG
ATGGAAAAGGGAGATTCAGACTGTTTTTCAGGGAGGTGGCTGGGTTTACACGCTAATCCCGATTCACCC
TGTCCAAACTGCCTAAGCCCTCCGCCATTCTCAAGCCCTGCAGTCACAGCTACACAGATCACAGCTTCA
GCCAGGAGCTGGGCAGAAGGCCAAGAGGCTGTTCCCACCAGGCTGCTCAGGGCTGGTCTTTTAGGACCC
TTCCCTTGAGCCCTCTATGGTGTGGCAAAGCCTTCATTGCCTTAACTGGAGCCCCATCAGCTCCAGCTG
CTCTGTCTTCTTTGCCCACAATGCTTTGCCCCTGAGACAAATGGAGGCCTGTCCTGACCTGTCTCACCA
TGTACATAGCTTGATAAAGGGCCAATAAATATGATGTTATGGTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

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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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_001083116.3

Summary: 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]

Locus ID: 5551

MW: 26.9