

## Product datasheet for **SC206538**

### PON2 (NM\_001018161) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** PON2 (NM\_001018161) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PON2  
**ACCN:** NM\_001018161  
**Insert Size:** 498 bp  
**Insert Sequence:** >SC206538 3'UTR clone of NM\_001018161

The sequence shown below is from the reference sequence of NM\_001018161. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACCACAGAGCCTTGATTGTGAACTCTAAATTGTACTTTTGGCATGAAAGTGCATAACTTAACAATT
AATTTTCTATGAATTGCTAATTCTGAGGGAATTTAACCAGCAACATTGACCCAGAAATGTATGGCATGT
GTAGTTAATTTTATTCCAGTAAGGAACGGCCCTTTTAGTCTTAGAGCACTTTTAAACAAAAAGGAAAA
TGAACAGGTTCTTTAAAATGCCAAGCAAGGACAGAAAAGAAAGCTGCTTTCGAATAAAGTGAATACAT
TTTGCACAAAAGTAAGCCTCACCTTTGCCTTCCAAGTCCAGAACATGGATTCCACTGAAATAGAGTGAA
TTATATTTCTTAAAATGTGAGTGACCTCACTTCTGGCACTGTGACTACTATGGCTGTTTGAAGTACT
GATAACGTATTTTGATGTTTTGTACTTACATCTTTGTTTACCATTAAAAGTTGGAGTTATATTAAGA
CTAACTAAAATCCCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-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).

**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\\_001018161.2](#)



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**Summary:**

This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

**Locus ID:**

5445

**MW:**

19.1