

Product datasheet for **RC210019L4V**

PON3 (NM_000940) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | PON3 (NM_000940) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PON3 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000940 |
| ORF Size: | 1062 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC210019). |
| 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_000940.2 |
| RefSeq Size: | 1201 bp |
| RefSeq ORF: | 1065 bp |
| Locus ID: | 5446 |
| UniProt ID: | Q15166 |
| Cytogenetics: | 7q21.3 |
| Protein Families: | Secreted Protein, Transmembrane |
| Protein Pathways: | Metabolic pathways |
| MW: | 39.6 kDa |



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Gene Summary:

This gene is a member of the paraoxonase family and lies in a cluster on chromosome 7 with the other two family members. The encoded protein is secreted into the bloodstream and associates with high-density lipoprotein (HDL). The protein also rapidly hydrolyzes lactones and can inhibit the oxidation of low-density lipoprotein (LDL), a function that is believed to slow the initiation and progression of atherosclerosis. Alternatively spliced variants which encode different protein isoforms have been described; however, only one has been fully characterized. [provided by RefSeq, Jul 2008]