

## Product datasheet for **RG210019**

### PON3 (NM\_000940) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PON3 (NM_000940) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PON3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210019 representing NM_000940 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAAGCTCGTGGCGCTGGTCCTGCTGGGGTTCGGCCTGTCCTTAGTCGGGGAGATGTTCTGGCGT  
TTAGAGAAAGGGTGAATGCCTCTCGAGAAGTGGAGCCAGTAGAACCTGAAAACCTGCCACCTATTGAGGA  
ACTTGAAAATGGCTCTGAAGATATTGATATACTCCTAGTGGGCTGGCTTTTATCTCCAGTGGATAAAA  
TATCCAGGCATGCCAACTTTGCGCCAGATGAACCAGGAAAAATCTTCTTGATGGATCTGAATGAACAAA  
ACCCAAGGGCACAAGCACTAGAAAATCAGTGGTGGATTTGACAAAGAATTATTTAATCCACATGGGATCAG  
TATTTTTCATCGACAAAGACAATACTGTGTATCTTTATGTTGTGAATCATCCCCACATGAAGTCCACTGTG  
GAGATATTTAAATTTGAGGAACAACAACGTTCTCTGGTATACCTGAAAACATAAAAACATGAACTTCTCA  
AAAGTGTGAATGACATTGTGGTCTTGGACCAGAACAGTCTATGCCACCAGAGACCACTATTTTACCAA  
CTCCCTCTGTCATTTTTGGAGATGATCTTGGATCTTCGCTGGACTTATGTTCTTTTCTACAGCCCAAGG  
GAGGTTAAAGTGGTGGCCAAAGGATTTTGTAGTGCCAATGGGATCACAGTCTCAGCAGACCAGAAGTATG  
TCTATGTAGCTGATGTAGCAGCTAAGAATTCACATAATGGAAAACATGATAACTGGGATTTAACTCA  
ACTGAAGGTGATACAGTTGGGCACCTTAGTGGATAACCTGACTGTCGATCCTGCCACAGGAGACATTTTG  
GCAGGATGCCATCCTAATCCTATGAAGCTACTGAACTATAACCCTGAGGACCCTCCAGGATCAGAAGTAC  
TTCGCATCCAGAATGTTTTGTCTGAGAAGCCAGGGTGAGCACCGTGTATGCCAACAAATGGCTCTGTGCT  
TCAGGGCACCTCTGTGGCTTCTGTGTACCATGGGAAAATTCTCATAGGCACCGTATTTACAAAACTCTG  
TACTGTGAGCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_000940.2](#), [NP\\_000931.1](#)

**RefSeq Size:** 1201 bp

**RefSeq ORF:** 1065 bp

**Locus ID:** 5446

**UniProt ID:** [Q15166](#)

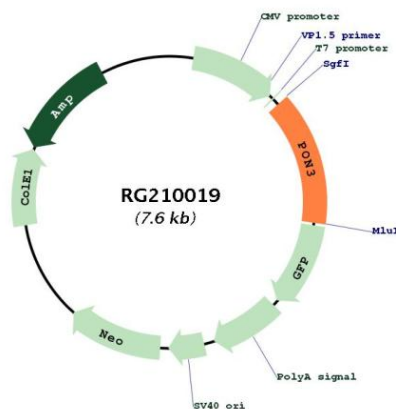
**Cytogenetics:** 7q21.3

**Protein Families:** Secreted Protein, Transmembrane

**Protein Pathways:** Metabolic pathways

**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]

### Product images:



Circular map for RG210019