

## Product datasheet for RR215625

### Pon1 (NM\_032077) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pon1 (NM_032077) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pon1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215625 representing NM_032077 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGAAACTGCTAGGGCTCACCCCTCGTGGGACTGGTGTGGCACTTTACAAGAACCATCGGTCTTCCT  
ATCAAACAAGATTAATGCTTTCCGTGAAGTAACACCGGTAGATCTTCTAACTGACTTTAGTTAAAGG  
AATCGAAGCGGGTGTGAAGACTTAGAGATTCTGCCTAATGGACTAACTTTCTTAGCACAGGGTTAAAG  
TATCCTGGAATAAAAAGTTTCGATCCCAGTAAGCCTGGAAAAATACTTCTGATGGACTTGAATGAGAAGG  
AGCCAGCAGTGTGAGAATTAGCAATTATGGGAAATACGTTGGATATGTCTTCATTTAACCCATGCGGAT  
TAGCACATTCATAGATGAAGATAACACTGTGTACCTACTGGTGGTAAGCCACCCAGACTCCTCGTCCACC  
GTGGAGGTGTTTAAATTTCAAGAAGAGGAAAGTCACTTTTGCATCTGAAAACCATCACCCATGAACTTC  
TGCCTAGCATCAACGATATAGCTGCTGTTGGACCTGAGAGCTTCTATGCCACAAATGATCACTATTTTGC  
TGACCCATACTTACGGTCTGGGAAATGTACTTGGCCTGTCATGGTCCAATGTTGTATACTACAGTCCA  
GATAAAGTCCGAGTGGTAGCAGATGGATTTGATTTGCTAATGGCATTGGCATTTCCTTGTGGAAGT  
ATGTCTATATCGCTGAATTGCTGGCTACAAGATTCACGTGTATGAAAAGCATGCTAATTGGACTTAAAC  
GCCATTGAAGGTCTCAGCTTTGACACCCCTTGGGATAACATCTCTGTGGATCCTGTGACAGGGGACCTC  
TGGGTTGGATGCCATCCAATGGGATGAGGATTTTTTCTATGACTCGGAGAATCCTCCTGGCTCAGAGG  
TGCTTCGGATCCAGAGCATTTTATCCGAAGACCCAAAGTAACTGTAGTTTATGCAGAGAATGGCACGGT  
GTTGCAAGGTACGACAGTCGCTGCTGTGTACAAAGGAAAAGTCTGATTGGAACGGTGTCCACAGAGCT  
CTTTGTTGTGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR215625 representing NM\_032077  
 Red=Cloning site Green=Tags(s)

MAKLLGLTLVGLVLALYKNHRSSYQTRLNAFREVPVDLPNCTLVKGIEAGAEDLEILPNGLTFSTGLK  
 YPGIKSFDPSKPGKILLMDLNEKEPAVSELAIMGNTLDMSSFNPHGISTFIDEDNTVYLLVVSHPDSSST  
 VEVFKFQEERSLLHLKTIITHELLPSINDIAAVGPESFYATNDHYFADPYLRSWEMYLGLSWSNVVYSP  
 DKVRRVADGDFDFANGIGISLDGKYVYIAELLAHKIHVYEKHWNTLTPKVL SFDTLVDNISVDPVTGDL  
 WVGCHPNGMRIFFYDSENPPGSEVLRIQSILSEDPKVTVVAENGTVLQGTVAAYYKGLLIGTVFHRA  
 LCCDL

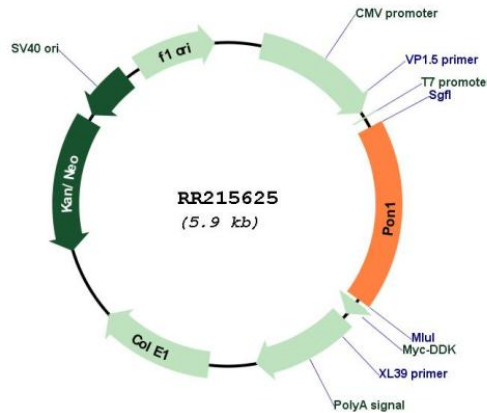
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_032077

<b>ORF Size:</b>	1065 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_032077.1</a> , <a href="#">NP_114466.1</a>
<b>RefSeq Size:</b>	1322 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	84024
<b>UniProt ID:</b>	<a href="#">P55159</a>
<b>Cytogenetics:</b>	4q13
<b>MW:</b>	39.4 kDa
<b>Gene Summary:</b>	may protect LDL and HDL from oxidation and provide protection against atherosclerosis [RGD, Feb 2006]