

## Product datasheet for **MG205388**

### Pon2 (NM\_183308) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pon2 (NM_183308) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pon2
Synonyms:	6330405I24Rik; AI481612
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205388 representing NM_183308 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCGGATGGTGGCTCTGAGTTTGCTGGGCATCGGGCTGGCGCTGCTGGGCGAGCGGTTCTAGCGC  
TCAGAAGTCGACTTAAAGCCTCCAGAGAAGTAGAATCTGTAGACCTTCCAACTGCCACCTCATTAAAGG  
AATCGAACTGGAGCTGAGGACATTGACATTCTCCCAATGGCCTGGCTTTCTTTAGCGTGGCCTCAAG  
TTTCCAGGGCTCCACAGCTTTCACCCGGATAAGCCTGGAGGGATACTGATGATGGATCTCAAAGACGAGA  
GACCGAGGGCGCTGGAGTTAAGAGTCAGCTGGGCTTTGATCTGGCTTCGTTTAACCCACATGGCATTAG  
CACTTTCATAGATGACGATGATACAGTTTATCTCTTTGTTGTAACCACCCACAATTCAAGAGTACAGTG  
GAAATTTTTAAATTTCAAGAAGAAGAAAATTTCTCTGTTGCACCTGAAAACAATTAACACGAGCTCCTTC  
CAAGTGTGAATGACATCATAGCTGTTGGGCCACCCACTTCTACGCCACCAATGACCACTACTTCTCCGA  
CCCTTCTTGAAGTATTTGGAGACATACTTGAACCTACACTGGGCAATGTTGTTTACTACAGTCCAGAA  
GAAGTTAACTGGTGGCAGAAGGATTTGATTCGCCAACGGGATCAATATTTACCTGATAAAAAGTATG  
TCTACGTTGCTGACATACTGGCCATGAAATCCATGTTTTGAAAAACAACCTAATATGAATTTAACTCA  
ACTAAAGTTCTGCAGTTGGGCACGCTGGTGGACAATTTATCTATTGATCCTTCTCGGGCGACATCTGG  
GTCGGCTGTCACCCTAATGGACAGAGGCTCTTCGTGTACCACCCGAACCATCCTCCTGCATCAGAGGTCC  
TCCGATTTCAGAACATTCTATCCGAGAAGCCATCAGTGACAACGGTGTATATCAACAACGGGTCTGTCTC  
CCAGGGAAGTTCTGTGGCGACCATATATGATAGGAACTTCTCGTAGGCCTTTATACCAGAAAGCCTTG  
TACTGTGAACTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205388 representing NM\_183308  
 Red=Cloning site Green=Tags(s)

MGRMVALSLLGIGLALLGERFLALRSRLKASREVESVDLPNCHLIKGIETGAEDIDILPNGLAFFSVGLK  
 FPGLHSFAPDKPGGILMMDLKDERPRALELRVSWGFDLASFNPHGISTFIDDDDTVYLFVYNHPQFKSTV  
 EIFKFQEEENSLHLKTIKHELLPSVNDIIAVGPTHFYATNDHYFSDPFLKYLETYLNLHWANVVYYSPE  
 EVKLVAEGFDSANGINISPDKKYVVADILAHEIHVLEKQPNMNLTLKVLQLGLTLVDNLSIDPSSGDIW  
 VGCHPNGQRLFVYHPNHPASEVLRIQNILSEKPSVTTVYINNGSVLQGSSVATIYDRKLLVGTLYQKAL  
 YCEL

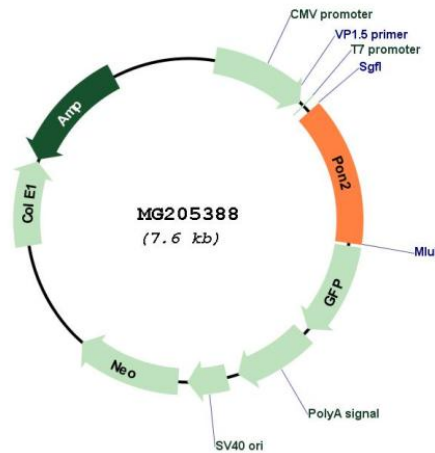
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_183308

<b>ORF Size:</b>	1062 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_183308.1</a>
<b>RefSeq Size:</b>	1850 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	330260
<b>UniProt ID:</b>	<a href="#">Q62086</a>
<b>Cytogenetics:</b>	6 1.99 cM
<b>Gene Summary:</b>	Capable of hydrolyzing lactones and a number of aromatic carboxylic acid esters. [UniProtKB/Swiss-Prot Function]