

## Product datasheet for **RN216582**

### Ptger1 (NM\_001278475) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ptger1 (NM\_001278475) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Ptger1  
 Synonyms: EP1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN216582 representing NM\_001278475  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCCCTACGGGCTTAACCTGAGCCTAGTGGATGAGGCAACAACGTGTGTAAACCCAGGGTCCCCA  
 ATACATCTGTGGTGTGCAACAGGCGGTAACGGCACATCACCAGCGCTGCCTATCTTCTCCATGACGCT  
 GGGTGTGTGTCCAACGTGCTGGCGCTGGCGCTGCTGGCCAGGTTGCAGGCAGACTGCGGCCGCCCGC  
 TCGACTGCCACCTTCTGTGTTTCGTCGCCAGCCTGCTTGCCATCGACCTAGCAGGCCATGTGATCCCGG  
 GCGCCTTGGTGTTCGCCTGTATACTGCAGGACGTGCGCCCGCTGGCGGGGCTGTCAATTCCTGGCGG  
 CTGCATGGTCTTCTTTGGCCTGTGCCACTTTTGCTTGGCTGTGGCATGGCCGTGGAGCGCTGCGTGGT  
 GTCACGCAGCCGCTGATCCACGCGGCGCGCTGTCCTAGCCCGCGCACGCTGGCACTAGCCCTGCTGG  
 CCGCATGGCTTTGGCAGTGGCGCTGCTGCCACTAGTGCACGTGGGTCACTACGAGCTACAGTACCTGG  
 CACTTGGTGTTCATTAGCCTTGGGCTCCTGGAGTTGGCGCCAGGCGTTGCTTGGGGCTCTTCGCC  
 GGCCTTGGCCTGGCTGCGCTCCTTGCCGCACTAGTGTAAACGCTCAGCGGCTGGCGCTCCTTCGTG  
 CCCGCTGGAGGCGGCGTCTGCTCGACTTTCCGAGAGAACGAGTCCCGATGATCGCCGCGCTGGGG  
 GTCCCGTGGACTCCGCTTGGCTCCGCCTCGTCTGCGTCATCCATCACTTCAACCACAGCTGCCCTCCG  
 AGCTCTCGGGGAGGCGGCTCCGCGCGCAGGTTACGCACACGACGTGGAATGGTGGGCCAGCTCGTGG  
 GCATCATGGTGGTTTCGTGCATCTGCTGGAGCCCCCTGCTGGTATTGGTGGTGTGGCCATCGGGGCTG  
 GAACTCTAACTCCCTGCAGCGGCCGCTCTTTCTGGCTGTACGCTCGCGTGGAAACCAGATCCTGGAC  
 CCATGGGTGTACATCCTGCTGCGCCAGGCTATGCTGCGCAACTTCTTCGCCTCTACCCCTGAGGGTTA  
 GTGCCAAGGGTGGTCCAACGGAGCTGAGCCTAACCAAGAGTGCCTGGGAGGCCAGTTCACGCGTAGCTC  
 CCGGCACAGTGGCTTCAGCCACTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001278475
<b>Insert Size:</b>	1218 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001278475.1</a> , <a href="#">NP_001265404.1</a>
<b>RefSeq Size:</b>	1924 bp
<b>RefSeq ORF:</b>	1218 bp
<b>Locus ID:</b>	25637
<b>UniProt ID:</b>	<a href="#">P70597</a>
<b>Cytogenetics:</b>	19q11
<b>Gene Summary:</b>	binds prostaglandin E2; plays a role in G-protein coupled receptor signaling and Ca <sup>2+</sup> mobilization [RGD, Feb 2006]