

## Product datasheet for RN204660

### Ptger1 (NM\_013100) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptger1 (NM_013100) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptger1
Synonyms:	EP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204660 representing NM_013100 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCCTACGGGCTTAACCTGAGCCTAGTGGATGAGGCAACAACGTGTGAACACCCAGGGTCCCCA  
ATACATCTGTGGTGTGCCAACAGGCGGTAACGGCACATCACCAGCGCTGCCTATCTTCTCCATGACGCT  
GGGTGTGTGTCCAACGTGCTGGCGTGGCGTCTGGCCAGGTTGCAGGCAGACTGCGGCGCCGCCGC  
TCGACTGCCACCTTCTGTGTTTCGTCGCCAGCCTGCTTGCCATCGACCTAGCAGGCCATGTGATCCCGG  
GCGCCTTGGTGTTCGCCTGTATACTGCAGGACGTGCGCCGCTGGCGGGCCTGTCAATTCCTGGCGG  
CTGCATGGTCTTCTTTGGCCTGTGCCACTTTTGCTTGGCTGTGGCATGGCCGTGGAGCGCTGCGTGGGT  
GTCACGCAGCCGCTGATCCACGCGGCGCGCTGTCCGTAGCCCGCGCACGCCCTGGCACTAGCCCTGCTGG  
CCGCCATGGCTTTGGCAGTGGCGCTGCTGCCACTAGTGCACGTGGGTCACTACGAGCTACAGTACCTGG  
CACTTGGTGTTCATTAGCCTTGGGCTCCTGGAGGTTGGCGCCAGGCGTTGCTTGGGGCTCTTCGCC  
GGCCTTGGCCTGGCTGCGCTCCTTGCCGCACTAGTGTGAATACGCTCAGCGGCTGGCGCTCCTTCGTG  
CCCCTGGAGGCGGCGTCTCGACGTTTCCGAGAGAACGCAGGTCGGATGATCGCCGGCGCTGGGG  
GTCCCGTGGACTCCGCTTGGCTCCGCCCTCGTCTGCGTCATCCATCACTCAACCACAGCTGCCCTCCGC  
AGCTCTCGGGAGGCGGCTCCGCGCGCAGGGTTCACGCACACGACGTGGAATGGTGGCCAGCTCGTGG  
GCATCATGGTGGTTTCGTGCATCTGCTGGAGCCCTGCTGGTATTGGTGGTGTGGCCATCGGGGGCTG  
GAACTCTAACTCCCTGCAGCGGCGCTCTTTCTGGCTGTACGCCCTCGCGTGGAAACCAGATCCTGGAC  
CCATGGGTGTACATCCTGCTGCGCCAGGCTATGCTGCGCAACTTCTTCGCCCTCTACCCCTGAGGGTTA  
GTGCCAAGGGTGGTCCAACGGAGCTGAGCCTAACCAAGAGTGCCTGGGAGGCCAGTTCAGCTGCGTAGCTC  
CCGGCACAGTGGCTTCAGCCACTT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1323_f07.zip">https://cdn.origene.com/chromatograms/ja1323_f07.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_013100
<b>Insert Size:</b>	1218 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_013100.1</a> , <a href="#">NP_037232.1</a>
<b>RefSeq Size:</b>	2216 bp
<b>RefSeq ORF:</b>	1218 bp
<b>Locus ID:</b>	25637
<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]