

Product datasheet for **RN206839**

Ptger4 (NM_032076) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptger4 (NM_032076) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptger4
Synonyms:	EP4; Ptger; Ptgerep4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206839 representing NM_032076
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCATCCCCGGAGTCAACGCGTCTTCTCCTCCACTCCGGAGAGTTGAACAGCCCAGTGACCATTC
 CCGCAGTGATGTTTATCTTCGGGGTGGTGGGCAACCTGGTGGCCATCGTAGTATTGTGCAAGTCGCGCAA
 GGAGCAGAAGGAGACTACCTTTTACACTCTGGTATGTGGGCTGGCTGTCCTGACCTACTGGGCACATTG
 TTGGTAAGCCAGTGACCATCGCCACATACATGAAGGGCCAGTGGCCCGAGACCAGGCATTGTGTGACT
 ACAGCACCTTCATCCTACTTTTCTCGGCTGTGGGTCTCAGCATCATCTGTGCCATGAGCATTGAGCG
 CTACCTGGCCATCAACCACGCCTACTTCTACAGCCACTACGTGGACAAGCGGCTGGCCGGTCTCACGCTC
 TTCGCCGTCTATGCATCTAACGTGCTTCTGCGCACTGCCAACATGGGCTGGTAGGTCGAGCGGC
 AGTACCCGGGACCTGGTCTTCATCGACTGGACCACCAACGTAACGGCCTACGCCGCTTCTCTTACAT
 GTACGCGGGCTTCAGTTCCTTCTCATCTCGCCACCGTCTGCAATGTGCTGGTGTGGCGCGCGCTG
 CTCGCGATGCACCGCCAGTTCATGCGCCGACCTCGCTGGGCACGGAGCAGCACCACGCGGCCGCTGCAG
 CAGCGGTGGCTTCGGTGGCTGTGGGGTACGCGGCCGCTCCCCAGCCCTGCAGCGCCTCAGTGACTT
 TCGCCGCCGAGGAGCTTCGGCGCATCGCGGGTGCAGAGATCCAGATGGTTCATCTTACTCATCGCCACC
 TCTCTGGTGGTGTCTATCTGCTCCATTCGCTCGTGGTGGAGTGTTCATCAACCAGTTATATCAGCCAA
 GTGTGGTGAAGACATCAGCAGAAACCCGGATTGCGAGCCATCAGAATTGCTTCTGTGAACCCATCCT
 GGACCTTGGATCTACATCCTTCTCGGAAGACTGTGCTCAGTAAAGCCATAGAAAAGATCAAGTGCCTC
 TTCTGCCGATTGGTGGTCTGGCAGAGACGGTTCAGCACAGCACTGCTCAGAGAGTCCGAGGACATCTT
 CTGCCATGTCTGGCCACTCCCGCTCCTTCTCCTCGCGGGAGTTGAGGGAGATCAGCAGCACTCTCAGAC
 CCTCTATACCTGCCAGACCTAACTGAAAGCAGCCTCGGAGGCAAGAATTTGCTTCCAGGTACGCATGGC
 ATGGGCTGACCAAGCAGACACCACCTCGCTGAGAACTTTGCAATTTAGAGACCTCAGACTCCTCCC
 AGGGCCAGGACTCTGAGAGTGTCTTGTGGTGGATGAGGTTAGTGGGAGCCAGAGAGAGGAGCCTGCCTC
 TAAGGGGAACTCTCTGCAAGTACGTTCCCCAGTCAAACGCTGAAATTATCTGAAAAATGTATAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1377_a01.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_032076

Insert Size: 1467 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_032076.3</u> , <u>NP_114465.3</u>
RefSeq Size:	1473 bp
RefSeq ORF:	1467 bp
Locus ID:	84023
UniProt ID:	<u>P43114</u>
Cytogenetics:	2q16
Gene Summary:	binds prostaglandin estradiol (PGE(2)) and induces cAMP-dependent bone resorption [RGD, Feb 2006]