

Product datasheet for RN212216

Ptger2 (NM_031088) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptger2 (NM_031088) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptger2
Synonyms: EP2; Ptger-ep2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212216 representing NM_031088
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAATTCTTCAATGACTCCAGGCGAGTGGAGAAGTGGAGAGTCGTCAGTATCTCCTTTCCGACG
 AAAGCCCAGCCATCAGCTCGGTGATGTTACGGCCGGGGTTCTGGAAACCTCATCGCGTGGCACTGTT
 GGCGCGCCGCTGGCGTGGGGACACGGGGTGTAGCGCCGGCAGCAGGACCTCTATCTCCTTGTCCACGTG
 CTGGTAACGGAAGTGGTCTCACCGACCTGCTGGGGACCTGCCTCATAAGCCCGGTGGTGTGGCTTCTT
 ATTCGAGAAACCAGACCCCTAGTGGCCCTGGCTCCCGAAAGCCGCGGTGTACCTATTTTCGCTTTCACTAT
 GACCTTCTTAGTCTGGCCACGATGCTCATGCTCTTCGCCATGGCCCTGGAACGCTACCTCGCCATCGGA
 CACCTTACTTCTACAGGCGCCGCTCTCTCGCCGCGGGGTTTGGCGGTGCTGCCTGCCATCTATGGGG
 TCTCCTTGCTCTTCTGTTCTCTGCCGCTGCTCACTACGGGGAGTACGTCCAGTACTGCTCCTGGGACGTG
 GTGCTTTATCCAGCACGGGAGGACCGCATACTTACGCTGTACGCCACGGTGTCTCCTGCTGCTCATCGTG
 GCTGTGCTCGGCTGCAACATCAGTGTGATCCTCAACCTTATTCGCATGCAGCTTCGGAGCAAAAGAAGCC
 GCTGCGGATTGTCTGGCAGTAGCCTGAGAGGCCCGGGTCTCGCCGGAGAGGAGAAAGGACTTCTATGGC
 GGAGGAGACGGACCCTCATTCTCCTGGCCATTATGACCATCACCTTCGCTGTATGCTCCCTGCCTTTC
 ACAATCTTTGCTTATATGGATGAAACCTTCCCGAAAGGAAAAGTGGGACCTCCGAGCTCTTAGATTTT
 TATCAGTGAACCTCATAATTGATCCTTGGGTTTTTGTATCCTTAGACCACAGTCTGAGACTAATGCG
 CTCAGTCTCTGTTGTCGGACTTCACTGAGAGCACCGGAAGCTCCAGGAGCTTCTGTTTCGACCCAGCAG
 ACGGACCTCTGCGGACAGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031088



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Insert Size:	1074 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	NM_031088.1 , NP_112350.1
RefSeq Size:	1360 bp
RefSeq ORF:	1074 bp
Locus ID:	81752
UniProt ID:	Q62928
Cytogenetics:	15p14
Gene Summary:	binds prostaglandin E2 and induces increased cAMP; may play a role in skeletal growth [RGD, Feb 2006]