

Product datasheet for **MC217286**

Ptger4 (NM_008965) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptger4 (NM_008965) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptger4
Synonyms:	EP4; Ptgerep4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217286 representing NM_008965
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGAGGTTGGAGGTACCATTCTAGATCGAACCGTGAGCTCCAACGCTGTGTGTTACTAACCACCA
 CCATCATGTCCATCCCCGGAGTCAACGGTCCTTCTCCTCCACTCCGGAGAGGCTGAACAGCCCGGTGAC
 CATTCCCAGAGTGATGTTTCATCTTCGGGGTGGTGGCAACCTGGTGGCCATCGTAGTATTGTGCAAGTCG
 CGCAAGGAGCAGAAAGAGACGACCTTTTACACTCTAGTATGTGGGCTGGCTGTCACTGACCTTCTGGGCA
 CCTTGTGGTAAGCCCGGTGACCATCGCCACATACATGAAGGGCCAGTGGCCCGGAGACCAGGCACTGTG
 TGAATATAGCACCTTCATCTACTTTTCTCGGTCTGTCGGGTCTCAGCATCATCTGTGCCATGAGCATC
 GAGCGCTACCTGGCCATCAACCACGCCTACTTCTACAGCCACTACGTGGACAAGCGGCTGGCCGGCCTCA
 CACTCTTCGCCATCTATGCATCTAACGTGCTGTTCTGCGCGCTGCCAACATGGGCTGGCAGATCCGA
 GCGGCAGTACCCGGGCACCTGGTCTTCATCGACTGGACCACCAACGTAACGGCCTACGCCGCTTCTCT
 TACATGTACGCCGGCTTCAGCTCCTTCCTCATCCTTGCCACCGTCTGCAACGTGCTGGTGTGCGGGC
 CGCTGTCCGCATGCACCGCCAGTTCATGCGCCGACCTCGTTGGGCACGGAGCAGCACCATGCGGCTGC
 CGCCGCCCGGTAGTTCGGTGGCCTGTGCGGGCCACGCTGGGGCCTCCCAGCCCTGCAGCGCCTCAGC
 GACTTTTCGCCCGCAGGAGTTTCCGGCGCATCGCGGGTGCAGGATCCAGATGGTCATCTTACTCATCG
 CCACCTCTCTGGTGGTGTCTATCTGCTCCATTCGCTCGTGGTGCAGTGTTCATTAACCAGTTATATCA
 GCCAACGTGGTAAAGACATCAGCAGAAACCCAGATTGTCAGGCCATCAGGATTGCTTCTGTGAACCC
 ATCCTGGACCCCTGGATTTACATCCTTCTTCGGAAGACTGTGCTCAGTAAAGCCATAGAGAAGATCAAGT
 GCCTCTTCTGCCGATTGGCGGTTCCGGCAGAGACAGCTCGGCCAGCACTGCTCAGAGAGTCGGAGGAC
 ATCTTCCGCCATGTCCGGCCACTCTCGTCTCTTCTCGCCCGGAGTTAAAGGAGATCAGCAGCACGTCC
 CAGACCCTCTGTACCTGCCAGACCTGACTGAAAGCAGCCTCGGAGGCAGGAATTTGCTTCCAGTTTCGC
 ATGGCATGGGCTGACCCAAGCAGACACCACCTCGCTGAGAACTTTGCGAATTTCCGAGACCTCAGACTC
 TCCCAGGGCCAGGACTCTGAGAGTGTCTGTTGGTGGATGAGGTTAGTGGGAGCCACAGAGAGGAGCCT
 GCCTCTAAAGGAACTCTCTGCAAGTCACATTCCCAGTGAAACTCTGAAATTATCTGAAAAATGTATAT
 AG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_008965

Insert Size: 1542 bp

OTI Disclaimer: 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).

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_008965.2 , NP_032991.1
RefSeq Size:	3264 bp
RefSeq ORF:	1542 bp
Locus ID:	19219
UniProt ID:	P32240
Cytogenetics:	15 1.99 cM
Gene Summary:	<p>Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes the longer isoform (2). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>