

Product datasheet for **MC200881**

Ptger2 (BC005440) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptger2 (BC005440) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptger2
Synonyms:	EP2; Ptgerep2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005440
 CCTGCCTGGCCCCACGGCAGCAGCTCGCAAGCAATCTAAATTGCTTTCCTGGATTCCACTACTGGACTTG
 CCCCTGAAGGCGCTGGAGGGAGCAGCTGCTCTGGCAAGCACCCCTGCTAGGGCAGGTGAGGCACAGAA
 GCACCGAGAGCGACCGGATATTGTAGTGAAGAGGCCACTGTACGTACAGGCAGGAGACCCAAACAAGTCT
 GTCCTTGGTGGAGTTGGGGGCCGAAGGGAGCTCTGGATTTTCGGTCCCTCCCCTTTTCCCTGCTCTGTC
 TTGGAGCCCTGGGGCCATCAGACCCTCCGACTGTCTGGTACTTGCCTGGAAGAGATATCATCTCTCCTCC
 ACACCTCCACCATGGACAATTTCTTAATGACTCCAAGCTAATGGAGGACTGCAAGAGTCGTACGTGGC
 TCCTTTCGGGGAAAGCCAGCCATCAGCTCGGTGATGTTCTCGGCCGGGTTCTGGGGAATCTCATCGC
 ACTGGCACTGTTGGCGCCCGCTGGCGTGGGGACACCGGGTGTAGCGCCGGCAGCAGGACCTCTATCTCC
 TTGTTTACGTGCTGGTAACGGAATTGGTGTCTACTGACCTGCTGGGAACCTGCCTCATCAGCCCGTGG
 TGCTGGCTTCATATTCAAGAAACCAGACCCTGGTGGCCCTGGCTCCCGAAAGTCACGCGTGTACCTATTT
 CGCTTTCACTATGACCTTCTTGTAGTCTGGCCACGATGCTCATGCTCTTCGCTATGGCCCTGGAACGCTAC
 CTCTCCATCGGGTACCCTTACTTCTACAGGCGCCACTTATCGCGCCGGGGGTCTGGCGGTGCTGCCTG
 TCATCTATGGGGCTCCTTGTCTTCTGTTCCCTGCCGCTGCTCAACTACGGGGAGTACGTCAGTACTG
 TCCTGGGACATGGTGCTTTATCCGGCACGGGAGGACTGCATACCTTCAGCTGTACGCCACGATGCTCCTG
 CTGCTTATCGTGGCTGTGCTCGCCTGCAACATCAGCGTTATCCTCAACCTCATTGCGATGCACCGTCGGA
 GCAGAAGAAGCCCTGCGGATTGTCTGGCAGTAGCCTAAGAGGCCCTGGATCTCGCAGGAGAGGAGAGAG
 GACTTCGATGGCAGAGGAGACGGACCACCTCATTCTCCTGGCCATTATGACCATCACCTTCGCCATATGC
 TCCTTGCCTTTCACAATCTTTCCTACATGGATGAAACCTCTTCCCTAAAGGAAAAGTGGGACCTCCGAG
 CTCTTCGGTTTTATCAGTTAACTCTATAATTGACCCTTGGGTCTTGGCCATACTTAGGCCACCGGTCTCT
 GAGGTTAATGCGCTCAGTCTCTGTTGTCGGACTTCACTGAGAACAAGAAGCTCAGCAAAACATCCTGT
 TCTACCCAGTCCAGTCCAGTAAACAGACTGACCTTTGTGGACAGTTGTGAGGATGCGCTTCATGAGGGA
 ACCTCTGAAGAAGTCTTTAAATGGCCTCATTGGAGAAGTGAAGGGCTGGAATATAAACAGAATAACCT
 TGCCCTGAGAAGCAGATGAAACAGACTTTATGAGGTAGTTTGGGCTGCAGATGTGATGACAGAGCCCTTT
 GTGGAAAGTGTACAGAGGATATAAAGTTCACATTATGTGACCTTTGAAGGACAATCGGCTGCGTCTAAGAC
 CCAGTTGATTTAAGCTTTCCTGTTGAGTGACAAAGCATGTGGTTTTGTAATTTGTTTTAAATGCTACAT
 GGTACTGTTTTTAATTTGATGTCAGTCTGTTATAAATGCAATCAGACCAAATGAAATTCATTCTAG
 GAAGTCAACTCATGCAAGCGATGAAGCAACCAGAGCAGACAAGTTGCTGTCTCGTATTGCTTAATGGAC
 TCTTTATTTGGACCATGAAGTTGAATGCCATTGGCCCTTTTACTGTGCGGTTTCATGTGGGAGTCTCT
 CTGGTAACGAAAGGATGCACTGATTTGGTTAATGCTAGTTAATCCTTTAGGAGCTCTGTCATGTTGTCAG
 ATTATTTATTCTGTCTTGTCTATTGTGATAAGGCTACTGAAGAAAACCTCAGAAAATTTGCGTCTCACAAA
 GGAAATAATTAATAAATCAATTTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC005440

Insert Size: 1089 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:

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: [BC005440](#), [AAH05440](#)

RefSeq Size: 2139 bp

RefSeq ORF: 1089 bp

Locus ID: 19217

Cytogenetics: 14 22.68 cM

Gene Summary: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. The subsequent raise in intracellular cAMP is responsible for the relaxing effect of this receptor on smooth muscle.[UniProtKB/Swiss-Prot Function]