

Product datasheet for RR213185

Ptger3 (NM_012704) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptger3 (NM_012704) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptger3
Synonyms:	EP3; EP3R; Rep3; rEP3a; rEP3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213185 representing NM_012704 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGCGTGTGGGCGCCGGAGCACTCGGTTGAAGCGCACAGCAACCAGTCAAGTGCTGCCGACGGCT
GCGGCTCTGTGTCGTCGCTTCCCATCACCATGATGGTCACTGGCTTCGTGGGCAACGCGCTGGCCAT
GTTGCTTGTGTCGCGCAGCTATAGACGCCGGGAGAGCAAACGCAAAAAGTCTTTCCTGCTGTGCATTGGC
TGGCTGGCGCTCACCGACTTGGTGGGCGAGCTCCTGACCAGTCCGGTGGTCATCCTCGTGTACCTGTGCGC
AGCGACGCTGGGAGCAACTCGACCCATCGGGGCGCCTGTGCACCTTCTTCGGGCTGACCATGACAGTGTT
CGGACTGTCTCGCTCTTGGTGGCCAGCGCCATGGCCGTGGAGCGCGCCCTGGCTATCCGTGCGCCGCAC
TGGTATGCCAGCCACATGAAGACTCGCGCCACGCGCGGTAAGTCTGGGTGTGTGGCTGTCTGTGCTCG
CCTTCGCGCTGTGCTGTGCTGGGCGTGGGCCGCTACAGCGTGCAGTGGCCCGGCACGTGGTGTCTCAT
CAGCACCGGGCCGGCGGCAACGAGACGGACTCTGCGCGGGAGCCGGGCAGCGTGGCCTTTCCTCCGCC
TTCGCCTGTCTAGGCTTGTGGCTCTGGTGGTACCTTTCCTGCAACCTGGCGACCATCAAAGCCCTGG
TGTCCCCTGCCGGCCAAAGCCCGCCCTCGCAGTCCAGCGCCAGTGGGGCCGGATCACCACGGAGAC
GGCTATCCAGCTTATGGGATCATGTGTACTGTCCGTCTGCTGGTCCCGCTATTGATAATGATGCTG
AAAATGATCTTCAATCAGATGTGAGCAATGCAAGAGCAGATGGGAAAGGAGAAGGAGTGAATT
CCTTCTAATCGCGTTTCGCTGGCTTCGCTGAACAGATCTGGATCCCTGGGTTTATCTGCTGCTAAG
AAAGATCCTTCTCGAAAGTTCTGCCAGATGATGAACAACCTGAAGCGGAGTTTCATTGCAATACCTGCT
TCCTGAGTATGAGAATTTCTCCCGGGAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213185 representing NM_012704
Red=Cloning site Green=Tags(s)

MAGVWAPEHSVEAHSNQSSAADGCGSVSVAFPITMMVTGFVGNALAMLLVRSYRRRESKRKKSFLLCIG
 WLALTDLVGQLL TSPVVILVYLSQRRWEQLDPSGRLCTFFGLTMTVFGLSSLLVASAMAVERALAIRAPH
 WYASHMKTRATRAVLLGVWLSVLAFAALLPVLGVGRYSVQWPGTWCFISTGPAGNETDSAREPGSVAFASA
 FACLLGLLALVVTFACNLATIKALVSRCAKAAAQSSAQWGRITTTETAIQLMGIMCVLSVCWSPLLIMML
 KMIFNQMSVEQCKTQMGKEKECNFLIAVRLASLNQILDWPVYLLLRKILLRKFCQMMNNLKRSFIAIPA
 SLSMRISSPREG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2031_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012704

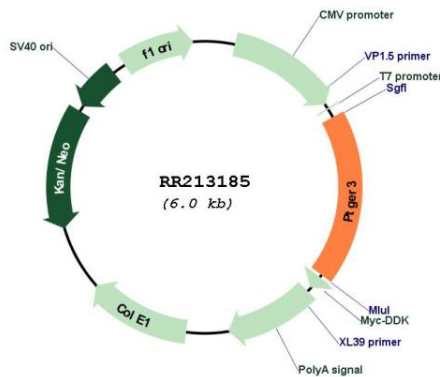
ORF Size: 1086 bp

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](#)

- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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:** [NM_012704.1](#), [NP_036836.1](#)
- RefSeq Size:** 1253 bp
- RefSeq ORF:** 1089 bp
- Locus ID:** 24929
- UniProt ID:** [P34980](#)
- Cytogenetics:** 2q45
- MW:** 40.1 kDa
- Gene Summary:** receptor that binds prostaglandins E2 and E1; may be involved in natriuresis [RGD, Feb 2006]

Product images:



Circular map for RR213185