

## Product datasheet for **RR206936**

### Park7 (NM\_057143) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Park7 (NM\_057143) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Park7  
**Synonyms:** CAP1; DJ-1; Dj1; SP22  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206936 representing NM\_057143  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCAAAAGAGCTCTGGTCATCCTAGCCAAAGGAGCAGAGGAGATGGAGACAGTGATTCTGTGG  
ACATCATGCGCGAGCTGGGATTAAGTCACCGTTGCAGGCTTGGCTGGGAAGGACCCCGTCAGTGTAG  
CCGTGATGTAGTATTTGTCCGGATACCACTCTGGAAGAAGCAAAAACACAGGGACCATACGATGTGTT  
GTCTTCCAGGAGAAATCTGGGTGCACAGAATTATCTGAGTCGGCTTTGGTGAAGGAGATCCTCAAGG  
AGCAGGAGAACAGGAAGGGCCTCATAGCTGCCATCTGTGCGGGTCTACGGCCCTGCTGGCTCACGAAGT  
AGGCTTTGGATGCAAGTTACATCGCACCCATTGGCTAAGGACAAAATGATGAACGGCAGTCACTACAGC  
TACTCAGAGAGCCGTGTGGAGAAGGACGGCCTCATCTCACCAGCCGTGGGCTGGGACCAGCTTCGAGT  
TTGCGTGGCCATTGTGGAGGCACTCAGTGGCAAGGACATGGCTAACCAAGTGAAGGCCCCGCTTGTCT  
CAAAGAC

**ACGCGT**ACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR206936 representing NM\_057143  
Red=Cloning site Green=Tags(s)

MASKRALVILAKGAEEMETVIPVDIMRRAGIKVTVAGLAGKDPVQCSRDVVICPDTSLLEEAKTQGPYDVV  
VLPGGNLGAQNLSESALVKEILKEQENRKLIAAICAGPTALLAHEVFGCKVTSHPLAKDKMMNGSHYS  
YSESRVEKDGLILTSRPGTSEFALAIVEALSGKDMANQYKAPLVLKD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

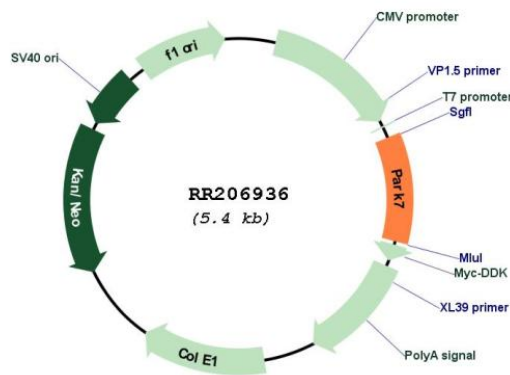
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_057143

ORF Size: 567 bp

OTI Disclaimer: 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\\_057143.2](#), [NP\\_476484.1](#)

**RefSeq Size:** 1054 bp

**RefSeq ORF:** 570 bp

**Locus ID:** 117287

**UniProt ID:** [O88767](#)

**Cytogenetics:** 5q36

**MW:** 20 kDa

**Gene Summary:** displays a specific localization pattern to the anterior-ventral surface of the equatorial segment; may play a role in sperm-egg interactions and fertilization [RGD, Feb 2006]