

Product datasheet for **RR215990**

Park7 (NM_001277251) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Park7 (NM_001277251) 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: >RR215990 representing NM_001277251
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCATCCAAAAGAGCTCTGGTCATCCTAGCCAAAGGAGCAGAGGAGATGGAGACAGTGATTCTGTGG
ACATCATGCGCGGAGCTGGGATTAAGTCACCGTTGCAGGCTTGGCTGGGAAGGACCCCGTCAGTGTAG
CCGTGATGTAGTATTTGTCCGGATACCACTCTGGAAGAAGCAAAAACACAGGGACCATACGATGTGGTT
GTCTTCCAGGAGAAATCTGGGTGCACAGAATTATCTGAGTCGGCTTTGGTGAAGGAGATCCTCAAGG
AGCAGGAGAACAGGAAGGGCCTCATAGCTGCCATCTGTGCGGGTCTACGGCCCTGCTGGCTCACGAAGT
AGGCTTTGGATGCAAGGTTACATCGCACCCATTGGCTAAGGACAAAATGATGAACGGCAGTCACTACAGC
TACTCAGAGAGCCGTGTGGAGAAGGACGGCCTCATCTCACCAGCCGTGGGCTGGGACCAGCTTCGAGT
TTGCGTGGCCATTGTGGAGGCACTCAGTGGCAAGGACATGGCTAACCAAGTGAAGGCCCCGCTTGTCT
CAAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215990 representing NM_001277251
Red=Cloning site Green=Tags(s)

MASKRALVILAKGAEEMETVIPVDIMRRAGIKVTVAGLAGKDPVQCSRDVVICPDTSLLEEAKTQGPYDVV
VLPGGNLGAQNLSESALVKEILKEQENRKLIAAICAGPTALLAHEVFGCKVTSHPLAKDKMMNGSHYS
YSESRVEKDGLILTSRPGTSEFALAIVEALSGKDMANQVKAPLVLKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

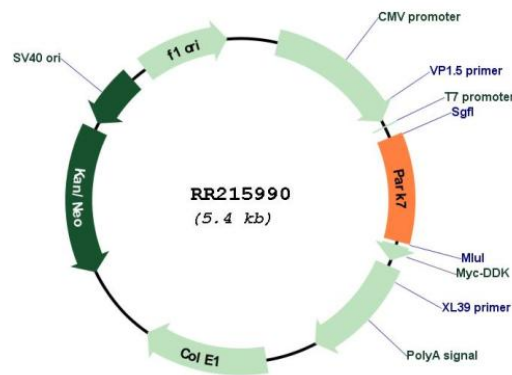
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001277251

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_001277251.1](#), [NP_001264180.1](#)

RefSeq Size: 931 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]