

Product datasheet for **RR214790**

Erc8 (NM_001107650) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erc8 (NM_001107650) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Erc8
Synonyms: Ckn1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214790 representing NM_001107650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTGAGCTTTTGTCCGCTCGACAGTCAGGGTTGGAGGACCCTCTTCGCTTGCCTAGAGCGCAGTCTA
 CACGGAGGGTCTGGCCTGGAGTTAAACAAAGACAGGGATGTTGAAAGAGTCCACTGCAGCGGAGTCAA
 CACTCTGGACATTGAACCTGTGAAGGACGATACATGTTGTGAGGTGGTCCGATGGTGTGATTGTACTC
 TATGACCTTGAGAACGCCAGCAGACAGCCCTATTACACATGTAAGCAGTGTGTTCCGTTGGCAGAAAGCC
 ATCCTGATGTCCACAAATACAGCGTGGAGACGGTTCAGTGGTATCCTCATGACACTGGCATGTTACATC
 CAGCTCATTGATAAACTCTGAAAGTATGGGATACAAACACATTGCAGGCTGCAGATGTGTTAAATTTT
 GAGGAAACAGTTTACAGTCATCATGTCCCCAGCAGCCACCAAGCACTGTCTGGTAGCAGTTGGAAC
 GAGGACCAAGGTACAACCTTTGTGACTTAAAGTCTGGATCCTGTTCTCACATTCTACAGGGTACAGACA
 GGAAATATTGGCAGTTTCTGGTACCACGCTATGACTATATCTGGCAACAGCAAGCGCTGACAGTAGA
 GTAAATATTGGGATGTGAGAAGAGCATCAGGATGTTTGCTTACTCTTGACCAGCATAACGGGAAAAAGT
 CACAAGCTGTTGAATCAGCAAACACTGCTCACAATGGGAAAGTTAACGGCTTATGTTTTACAAGTGACGG
 GCTTACCTGCTACGGTTGGCAGACAGCAACCGAATGAGGCTCTGGAATAGCTCCAGCGGGGACAACACA
 CTGGTAAACTACGGGAAAGTGTGTAACAGCAGCAGGAAAGGGCTGAAGTTCACTGTCTCCCATGGCTGCA
 ACTCAGAGTTTGTGTTTGTCCCTACGACAGCACCATTGCCATGTATGCAGTCTACTCAGGAGAGCGGCT
 CGCCATGCTTAAGGGACATTACAAAAGTGTGACTGCTGTGTGTTTCCAGCCTAATTTCCAGGAACTTTAC
 AGTGGTAGCAGGGACTGCAATATTCTCGCTTGGGTGCCAGCTTCATATGAACCAGTTCCTGATGATGACG
 ATGAAGCTCCAACCAATCGAGGTTGAACCCAGCATTACGGATGCTGGAGCAGCAGTACGAGGACGG
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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MLSFLSARQSGLEDPLRLRRAQSTRRLVLELNKDRDVERVHCSGVNTLDIEPVEGRYMLSGGSDGVIVL
 YDLENASRQPYTCKAVCSVGRSHPDVHKYSVETVQWYPHDTGMFTSSSFDKTLKVDNTLQAADVFNF
 EETVYSHHMSPAATKHCLVAVGTRGPKVQLCDLKSFGSCSHILQGHRQEILAVSWSPRYDYILATASADSR
 VKLWDVRRASGCLLTLQDQHNGKKSQAVESANTAHNGKVNGLCFTSDGLHLLTVGTDNRMLWNSSSGDNT
 LVNYGKVCNSSRKGLKFTVSHGCNSEFVFPYDSTIAMYAVYSGERLAMLKGHYKSVDCCVFQPNFQELY
 SGRDCNILLAWPASYEPVPDDDEAPTKSRLNPAFTDAWSSSDEDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

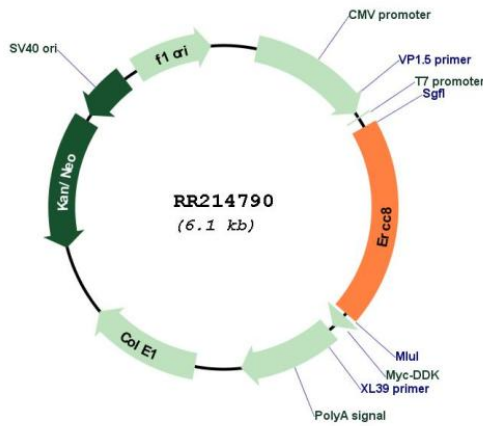
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107650

ORF Size:	1191 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:	<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_001107650.2 , NP_001101120.2
RefSeq Size:	2521 bp
RefSeq ORF:	1194 bp
Locus ID:	310071
Cytogenetics:	2q14
MW:	44.1 kDa