

Product datasheet for **RR202743**

Erp27 (NM_001106625) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erp27 (NM_001106625) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Erp27
Synonyms: RGD1565381
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202743 representing NM_001106625
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAATCACCTGGTCTCGATGCCTAATCCTCTCACTTGTCTCTCGTGCAGGCTGGTTCCAGAGGCTA
CAGCAGATGTTGAAGAACCTCAGAAGGTCTCGGCACTCCCGGGAACCCAGATGGCTCACAGACATCCC
AGCTACGGTGGAACCTCATCGCCCGCTGAAGTGGCTGTCATAGGCTTCTCCAGGATTTGGAAATACCG
ATCGTGTCTATATCCGGAGCATGGCACAGCAGTTCCAAGATGTATCATTCCGGAATCAGCAACCATTCTG
AGGTCCTGACCCATTACAACGTACCAGCAACAGCATCTGCCTCTTTGATTGGTAGATAATAAGCAGCT
ACGTTTGGACGCCGAAGACATTGACGATCTCGATGCTGCCAAGCTGAGCCGTTTCATTCACTTGAACAAC
CTCCACTGGGTGACGGAGTACAGCCCTATGATTGGAGCTGGCTTATTTAACACCATGGTTTCAGACCCATC
TTCTCCTGATAATGAACAAGGCTTCCCCAGAGTATGAAGAAAGCCTGCGTAGCTATCAGAAGGCAGCTAA
GCTCTCCAGGGACAGATTCTCTTTGTTCTGGTGGACAGCGGCAAAGGGAAAACGGAAAGGTGATAGCC
TATTTACAGACTAAAAGAGTCTCAGCTGCCAGCTCTGGCATTACGAATCTGTGGATGACAAGTGGGACG
CCCTGACCATCACAGAAGTTACGGTGGAGAAGGTCCAAAGCTTCTGCAATGGATTCTAAAGGGTATGCT
GTTGAGAGATCAGAAAGCTGAAAACGACTCTGGGAAGGAGGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202743 representing NM_001106625
Red=Cloning site Green=Tags(s)

MKITWSRCLILSLVLSCLVPEATADVEETSEGLGTPREPRWLTIPATVELIAAAEVAVIGFFQDLEIP
 IVSIFRSMQQFQDVSFGISNHSEVLTHYNVTSNSICLFRVDNKQLRLDAEDIDDLDAAKLSRFIHLNN
 LHWVTEYSPMIGAGLFNTMVQTHLLLIMNKASPEYEESSLRSYQKAAKLFQGQILFVLVDSGKRENGK VIA
 YFRLKESQLPALAIYESVDDKWDALITITEVTVEKVQSF CNGFLKGMLLRDQKAENDSGKEEL

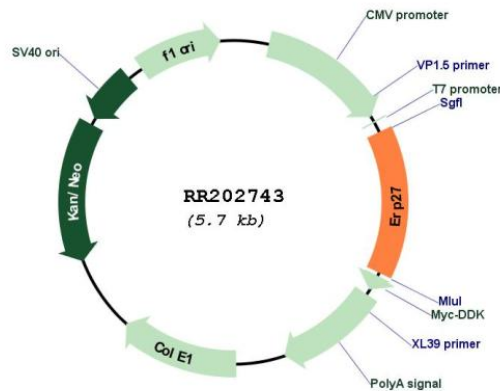
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106625
ORF Size: 816 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_001106625.1 , NP_001100095.1
RefSeq Size:	1005 bp
RefSeq ORF:	819 bp
Locus ID:	297698
Cytogenetics:	4q43
MW:	30.7 kDa